

<210> 10618  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10618

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 tgacatgata ataagcattg cagccaaata ctcttaggtt tgagtagttt gttgtnttgt 180  
 cattccagat ttcaatacga gttttaagtt ctatagtagt agaggatggt ctattgatca 240  
 gaaaacaggg tgtattgata gcttctcccc aaaaacttct gttgagacca gcattagaca 300  
 atangcatct tgttctttnc agaaagtgtt tgttcat 337

<210> 10619  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<400> 10619

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 gagaaaatgg attgctgctt gcctccaatc agcaaccatt tcaatcctag ttaatggaag 180  
 ccctacaaag gaattggccc cacttagagg tttgaggcaa ggggaccctt tagctccttt 240  
 gctttttaat atagtgggtg aaggctctac tggtagatg agagaggccc ttcataaaaa 300  
 cctttataga agctatccgg ttgggaagca aaa 333

<210> 10620  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10620

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tccaccatga natcccttga tgtccaagaa gatcatatct ttctaaaggc tnttctcat 180  
 tctctagagg gagtggcgaa ggattggctg tactaccttg ctcccaagtc cattaccagc 240  
 tgggatgacc ttaagaaggt gttcttggat aaattcttcc ctgcatctan gaccactgcc 300  
 atcagaaaag acatttc 317

<210> 10621  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<400> 10621  
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 gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180  
 aaagaaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240  
 ggaattattt gagtgtcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300  
 cttcttcttc attctgaaaa gggattaaga ga 332

<210> 10622  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10622  
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 gngtcaacc tctatccctt ttcggctcac gatgaaacct aatattnttc ccgatttgac 180  
 cccgagagtg cacttggctg ggttcaacct tagtcggtac ttccgtgacc tcttgaacaa 240  
 ctttcgtaag atgacgagat gttcttcttc agttntgaac ttggcaatca tatcgccac 300  
 gtacacttcg atatcttgat gcatcatatc atggaa 336

<210> 10623  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<400> 10623  
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 ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120  
 gttgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcgtatccac 180  
 atctctgcta gattttgacg agtattcaag ccataccttcg tcttgcccta aatgttaagg 240  
 agcgteccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300  
 ctaacatcta gatcagacca ctacggaaga tcaaagaaa 340

<210> 10624  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<400> 10624  
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 taattatgat ctttcaagca acagatacaa tctaggttgg aggaatcctc caaatctgag 120  
 atggacaagt cctccataat aacaacagcc ttccctctt ttccagaatg ttgctggtcc 180  
 aagcaagcca tatgttctct ctccaatgca gcagcagtca taacaagac aacctacaac 240  
 tgaggctcct cctcaacctt ccttagaaga gttagtgagg caaatgacca tccagaatat 300  
 gcaatttcag caagagacaa gagcttccat tcagagtc 338

<210> 10625  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 10625  
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 gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacgtaa 120  
 cctcagatgg tgcagccctc agcaacaaca acagcagctt gctccttctt tccaaaatgt 180  
 tgttggccca agcagaccat acattctctc accaatccaa caacagcaac aaccccagaa 240  
 acaaccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300  
 tatgcaaaac atgcagtttc agcaagagac c 331

<210> 10626  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<400> 10626

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ttcacccgac gaagacactg acaaaaactt atctttctct tcttgacaa agtatggcag 120
gtgtggggca agtaaatattt cttcccatca gaccttgat gcaactgtga tcgtataccc 180
atatgagcta gatcttgacg ggtattcaag ccattcttcg tcttgccctg aatgttaagg 240
agcgtcccaa tcacactgac acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaag 336
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<210> 10627  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10627

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gaatntctcg agagcttttg ttgttcaatt tcgagtgtct cgatatatta tgcacctgaa 120
tcggattgtc gagagacaag ttatgacat ntgaatttct cgacagcttc cgggtttcga 180
tttctagctt ctccatatat tatgcgctg aatctgactt ccgtgtgaca aagcatgacc 240
atnggaactt gtcgagggtc tccgatgtgc gatattggagc atctcgatat actatgtgct 300
tcaattggac a 311
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<210> 10628  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<400> 10628

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agctttctga tatattatgc gcctgaatca gacttccgtt acaaaagtta tgaccatag 60
aatttctcga tatattatgc gcctgaattg gactttcgtg tggcaagtta tgtccattcg 120
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aattcttcga gagcaccctg tgctcgatca ctacgcttcg tgatatatta tgcgtccgaa 180  
 ttggacgcgc tactgaatgg gtatgaccac ttgaatttct tgagagcctt ttgtgaaaaa 240  
 tatgctgcgt cttgatcttg tatgggcctg 270

<210> 10629  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<400> 10629

agcttgtaat caattacaca catactgtaa tcgattacca gaggagattt tcagaaaata 60  
 ttctcaacaa tcacatcttt tcatttggtt cttgaatggc catcaatggc ctatatatat 120  
 gtgacttgag acacgaattt gccaaagatt ttccagaaca acaagtgtt attctctcaa 180  
 aaaaagcaaa atcgttttat cctcttaaga attccttggc caattcaatt gcaattcatt 240  
 aaggaatcat ttgagcgctc agattgtaaa atctatctct ttcaagatag attcattctt 300  
 cttctctttc taattcacta aggga 325

<210> 10630  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10630

tgacattcat ggtgctccga acaaagggtg agtatggagg attgccttga tggctccgac 60  
 ttangcaatc atgaaactca gctccaaact cgaaagtgga gaacacatga acagccctaa 120  
 gcaataacat tcacgtggct ccggaacagg atgagaatgg acgattgcct tgagggtcct 180  
 ctcttaggca atcatggaac acagctccag actcaaaagt ggagaacaca tgaacagctc 240  
 taagcaataa cattcatgtg gcttcagaca atgatgagaa tggacgattg cctngaacgt 300  
 cctctcttag gcaatcatgg aataca 326

<210> 10631  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<400> 10631

cagaagctca cgagatacta caatgggtctt aacatgtcac acggaagtgc tattcagggtg 60  
 cataatatat cgagacgctc gaaatagaac atcggaagct ctcgagaaat tccaatggtc 120  
 ataacttttc acacggaagt ccgattcagg cgcataatat atcgagaagc tggaaattga 180  
 acaacgaaag ctctcgagaa actcatatgg tcataacttg tcacacggac atccgattca 240  
 tgcgcataat atatcgagac gctcgacatt gaacaacgta tg 282

<210> 10632  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 10632  
 agcttgaaat tgaacaacgg aagctctcga gaaattcaaa tgtgtcataa cttatcacac 60  
 ggaagtccga ttcaggcgca taatatatcc agacgctcga aattgaacaa cgaaagctct 120  
 cgagaaattc aaatgggtcat aacttggtcac acggaagtcc gatttcggcg catattatat 180  
 cgagacgctc gaaattgaac aacggaagat ctggagaaat tcaaatggtc ataacttacc 240  
 acacggaggt ccgattccgg cgcataatat atcgagacgc tcataattga acatcgaaag 300  
 ctctcgagaa attcatatgg tcataacttg tcacacgaaa gcccgattca ggcgcataat 360  
 atatcgagac gctcgaaatt gaacaacgga agctctcaag aaattcaatg gtctaacttt 420  
 c 421

<210> 10633  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<400> 10633  
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 caacagggtg gctactttgg agaaatcttt tatgaatcgc ctgtagaacc ctgcatgtcc 120  
 taagaaactt cttatttctc tgacattcag gggaggaggt agttttctca ttacattgtc 180  
 cactcttttc cctcttactt gaaatttatg ccccaacact atttcttctt gaaccatgaa 240  
 atgacatttt ctccaattga gaactagatt agattcttca ca 282

<210> 10634  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<400> 10634

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cttgattctt gaccactctc ttgtgactt ctccttcttg gcaacgagtc ctgctaaaac   60
aacaatggca agtgggtaac cccacaaaat ttccacaatg gatctacca gaggtcttaa  120
atcagacggg cattcttccc ctctaaaaat cttctttgtg aagagtccc agctttcacc  180
ttcattgagg atgggaaggt agtatggaga cgcagttcca gcatagtgtg ccacctcttt  240
gttgcgactt gttatgagaa ttctactacc tgtttgggtca tctggaaagg ctcctttaac  300
ctcatcccat acttgggttt ccagatgtc atcaagcact accagatact tcttcccttt  360
aaccattctg ctaccttttc ttagtttacc tcaact                               395

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<210> 10635  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10635

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catataaact gaatcctatg cacccttaag gacttattct aaatatcagc tgactgatca   60
ttagagntaa tgaactcagt ggccatctct ttggacaata gctttctccg aataaagtga  120
tagtcaatct ctatgtgctt ggtcctctca tggaagactg ggttttgagc acatgtgaag  180
agcaaccttg attatcacia tataacttca ttgcatcac ttgacagaat ttcaactc   238

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<210> 10636  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10636

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gagcacgctg gacttcacag cgtacctagg agggccgtag ttgaagagcc ccaccacacc   60
gcgatagatc ttgaacgacg ggatgtggaa gagccgtcat tccagggtgt ttcaccactg  120
atgccttgtg gctgtcgaac acgcccctgga gggagatcca tggaggtttt cgagagctcc  180
anggagttgg ttgttgattg tgttctacat catacgcat tggttcatga ggaatcgttg  240

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atcgtgcaag atata

255

<210> 10637  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10637

cgagctaacc cttgcatttt tttagaggtat ttgtctacct aaacatgtgt atatttttgt 60  
gagatatttt tgctatatac atgcatatcc gaggtatctt gctacctaaa catacatgta 120  
tatattgtga ggtattttgc tatatacatg catatccaag gtatcttgct acctaaacat 180  
acatatatat atnttgtgag gtatctttnt gttatctaaa ttacatacat gcatacttaa 240  
ggtattttca ctacctaaac acacatgcat atattntgtg aggcgatgact accttccgag 300  
ctt 303

<210> 10638  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10638

agtcacctgc ngcatgcaag cttcttcaga aacgtggcag ttgtgtgcaa tacataatgc 60  
ctaaaacacc acaacaaaat ggtgtatcag aaaggcgtaa tagaacttta atggatatga 120  
ttaggagtat gttaatcaat tcaactttac tcgtattttt gtggatgtat gccttgaaaa 180  
ctgccatgta tttgttgaat agggttecta gtaaggcagt tccaaagaca ccttttgaac 240  
tgtggatgaa taggacacct agtataaggc acatgcatgt ttgggggttg cagacagaaa 300  
taaggattta taatccgcaa gaaagataat tggatgcaag aacaatcagt gaatatttca 360  
ttggttatcc aaaaaagtca tgggggtatat gtntttttgt cctaatacata gtatgagaat 420  
ngttgaaact ggaaatgcat gtttactgaa aatggtgaaa ttagtgggag ta 472

<210> 10639  
<211> 341  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        10639

tgtaggccta ggatcttctt catcaatgga ttcctttgct tcttggnanaa tgaatggcag    60  
cygaatggag aaggaagaga gagagagaga ggagacgcca cttcaaggag aagatgagtc    120  
tagaagaagc tcaccacat aagaggccat ggataagagc ttgggggaag aaggagatga    180  
atgaaggag agggagagaa gaggacgaaa ttntgtgctc caaatgagct ttgaaatctg    240  
aatntaata ttcaaatgat caaagttgaa aaaaatgcac acacatgacc tctatntata    300  
gcctaagtgt cacacanaat tggagggaaa ttcaaatttc a                            341

<210>        10640  
<211>        390  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        10640

ngctaaggtt aaaccatact cgtgctcttc attgcactcc aaaggatatt gatgcaagca    60  
cctcagctag tggacttggg tattgggtca ttcgtctctg atccacgttc tgaggctctac    120  
aataatatga agaacgccat cttatagtgc atgttaataa ccagtttgct atgatttttc    180  
tgggtttatc ctactgcct tagagcttta tatctgttt gcatagaactt aacaaccttg    240  
aacctgaagt ttgcagcagg aattcanaac acagagctaa taacactaat atgctgctgt    300  
gggaaacttc agcgtttatc ggaatatata ccaacctaa gctcttttca tctatgttcg    360  
tatgctgttg aatatctata attgctatac    390

<210>        10641  
<211>        371  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        10641

atgatgcaga tgggtntgta gctacctcat gcaactctct aatgactatg gcatcatttc    60  
tggcgctaaa ctgctgggag ttggaggcca tcttctcata ttaaattttg gcttcagcag    120  
gagtcatgct tctaagggtt ccaccactgg cagcatctat catacttctc tccatattac    180

tgagtccttc ataaaaatat tggagaagaa gttgttctga aatctgatgg tggggcaact 240  
 ggcacatagt ttcttaaate tctccagta ctcatacagg ctctctccac tgagttgtct 300  
 aatacctgag atatccttct tgatggctgt ggtectggaa gcanggaaaa ttttttctaa 360  
 gaatactctc t 371

<210> 10642  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10642

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 acaattatga cctctccagc aacagatata accctggatg gaggaatcac cctaacctca 120  
 aatgggtccaa cccttagcaa gagaccagag cctncattca gagcttaacc aatcagatgg 180  
 gacaattggc tacccaattg aatcaacaac agtcccaaaa ttctgacaag ctgccttctc 240  
 aagctgtcca aaatcccaa aatgtcagtg ccatctcatt gaggtcggga aagcaatgtc 300  
 aaggacctca acccgtagca ccttctcat ctacaaat 338

<210> 10643  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10643

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 ataatatatc gagacgctca aaattgaaca aggaaagcta tcgagaaatt caaatgatca 120  
 taacttttca catggaggtc agattcaggc gcataatata tcgagatgct cgaaattgaa 180  
 caatggaagc tctcgagaaa ttcaaatggt cataactnta cactcggagg tccgattcag 240  
 gagcataata tatcgagacg ctcgaaattg aacaatggaa gctcttgagc aattcaaatg 300  
 gtcttaactt ttcactcgga ggtccgattc aggcgcataa tatatcgaga cgctcgatat 360  
 tgaacaatgg aagctcttga gcaattcaaa tggtcataac ttctcacttg gatgtgcgat 420  
 tctggcgcat aatata 436

<210> 10644  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 10644

gcctcttacg tctggtttat gaatgtagca tatagatcca aagaccctta cgtagcttgc 60  
 tyatggcttc tcccggtccc aagcttcaat tggagtcttg tctcttacag acttagttgg 120  
 acatactgtg agtatgtaaa cagcaatcgt aactgctaca gcccgagaatg tgttaggtag 180  
 taccttttcc ttgagcatcg aactaaccat cttcataact gtgtgactct tctctcaga 240  
 cacttcattt tgttgaggag aatatgcgac tgtaagttgt ctottatagc cttcatgctc 300  
 acaaaaactt 310

<210> 10645  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10645

gggttgatgc gttctgtctc gtagaatggc attatcacta gctgacatgt tctcaattag 60  
 ctcagggtgt tcttctagga tcttcagttt tatctttccc cctgcagaag catctaacag 120  
 ttgcttggtt tatggtctca gcccatctat aaacatattc aattgaattg gctcagaaaa 180  
 cccatgggtg ggagttcttc tcaataaacc ttgaaacctc tccaatgctt cactcagaga 240  
 ttcacangg aactgatgaa atgaaggcat tgcagcttcc ccttctatag tctntgactn 300  
 tgggaagtat ttctttanga acttttcaat aactctt 337

<210> 10646  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10646

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 acggaagctc ttgagaaatt caaatggtca taactttcca catggatgtc tgattaagac 120

gcataatata tcaagatgtt cgaaattgaa caacgaaagc tctcgagaaa ttcaaatagt 180  
 cataactttt tactcgaggg tccgattcat gcgcataata tatcaggacg gtcgaaattg 240  
 aacaacgaaa gttcttgaga aattcaaagt gtcataactt ttaacccgga taaccgattt 300  
 agaaacatca catatagaga agctcgaaat tgaacaacgg aagctctcga gaagtttaaa 360  
 tggttaatac ttttcacgga ggtccattcg ggcgataata tate 404

<210> 10647  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10647

gctcgacaca tgggaagcaca gatgtctttc tatgggaggc aggatatccc tcatcaattc 60  
 tgtcttaaca gccctccta tctaccttct ctcttttttt agaatcccta aaaaagtggg 120  
 gcataaggtg gtttctattc agaggaactt tttgtgggga ggaggttctg aggcagccaa 180  
 gataccgtgg gtaaattggg atattgtttg tcttcccaag aataaaggag ggctggggat 240  
 taaagatatg tccaagttta atgaggcctt gattggtcaa tggggatggg actatgctaa 300  
 taaccanaat cagctntggg ctatagtttt gatgtccaaa tatggtgtgt ggaatgcttt 360  
 atgctatgga agaaacagtg cagactgctc cccttggtgg aaggatctta gagctgtttt 420  
 ccagccacag catagtaaca gtttcatcaa taacatg 457

<210> 10648  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10648

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 aacaggaaaag tcgaaagggt ttgctttatt tgtttataag tctcccgagg gtgctcaggc 120  
 cgcattgata gatcctgtga agactgtgga agggaggcag ttgagttgta agttggcgat 180  
 tactgatggg aagcagggaa agcgggtagg gccggactct gcccgggccc atcacgggaa 240  
 tgttcagcac gggcatggag atggagtggg ggcgggaatg gngatgcctc ctaatgcggg 300



gtccggggcct gtgcagtatg gtggaccctgg acagtatggg cccccgggtg ggat

354

<210> 10649  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10649

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tattaacatc aaaccaagta aatattatac ccttgcaaag gatagtttag tacaccctcg 120  
gtgaaataga tccaactaca ataccacaac attaaacaat aataaagaat ttaacttgga 180  
ataagaaaaac actcatgaaa tgattagatc attatagccc agtaaagggc cccaagatca 240  
acgggtttcaa aaaaactgta cacgatctca tccacaaaat atttttactc aaaaaatttt 300  
aaaaagaaga tataaacaaa acaactaaa aatagagagt taggggggtat attgaattaa 360  
gattntaaaa aactatttta acataaaaaa acttgtggag tttaaagaat atgtaggaat 420  
attatgactt atcagattnt ntacaagact tttatgata 459

<210> 10650  
<211> 371  
<212> DNA  
<213> Glycine max

<400> 10650

agctttctaca ttcaattgca agcttttcga tatattacgg gactcaatcg gacatccgag 60  
taaaaaagtta ttgtagtttg aatctgctca gggcttcggg attccatttc gagcgtctcg 120  
atatatcacg ggactcgatc ggacatcaga gtaaaaagtt attgtcgctt gaattagctc 180  
agagctttctg caattcattt cgagcatctc gatataattac gggactcgat cagacatccg 240  
agtaaaaagt gattgccgtt tcaatctgct cagggtttct gaatgacatt tcgagcgtct 300  
cgatgtatta cgggactcaa tcagacatac tgataaacag ttattgtcgg ttgaatttgc 360  
tcagagcttc t 371

<210> 10651  
<211> 443  
<212> DNA  
<213> Glycine max

<400> 10651

agcttcccag atccgctcat ggaatgactt ggcaactgcc ttcattaggc agtaccagta 60

caatacggac atggcccccg atcagaacca gctccagggt atgactaaac gagagcatga 120

gtccattaag gagtatgccc agagatggag agatctcgca gcccaaaagg gcactccgg 180

atgtattgcc ggaagatggg ggcgtattct gcggacgaaa agttgttggc ccatttcttt 240

caagacagct tggccggggc agctgtagca tggatatcca atctggaagc tccccagatc 300

cgctcatgga aggacttggc aactgccttc attatgcagt accagtacaa tacggacatg 360

gccccgacg ggaaccagct ccagggtatg actaaacgag agcatgagtc cattaatgag 420

tatgcccaga gatggagaga tct 443

<210> 10652

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10652

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agaggatggc gcctcctctc acctcttctc ctttgtcttc cgctgcatct ccattggtga 120

aaatcaccat taaaggacct cattgaagct caaagatcca gcctccatag aagctccaca 180

agcaagcttc catcacaacc cctaagcact tttgggcca agcagtgaat actgcattgt 240

atcttcaaaa caaaattttac ataagacctc tccctaaaat gaatttgtat gaagtatgga 300

aggaatgaaa acccaacata taatatcttc ttccatttgg atgcaaatgt ttcattctca 360

acacaaagga taacctgnga gaaattgact agaaaagtga taatgggata tttcttagat 420

actctaaaac ttctaggaca ttcaaagttt acaactcaag aacctt 466

<210> 10653

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10653

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 tactaacact aagtaaattt ttggaaggg agggaactag caataaattt ttaagggaga 180  
 gagtagtggt tggaaaatag ggggacctaa acagatttga gcctatggaa gagattcttg 240  
 tacctgtgcc attagccatt aggatatgtt catttctctgc agctgtactg ctctgaagga 300  
 gattatgtgg atcattgggt gcattgngtg aagcacctga atctggaaac caagcctgag 360  
 aaatgttagc ag 372

<210> 10654  
 <211> 339  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10654

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 tcatagacca ttcccttttc ttggatctca ctcaattatc aagtgacggg gtaccatcta 120  
 atggttcaact tgatgatgag tgggaagtttg atttctctgt gtctgatgcc ccccgatgg 180  
 tttagcaccia ccaagcagat atgatcggaa ggcttcttgc ctgttcattg gcattngaatt 240  
 gtgcgcatcat gcactacttg attatgcgca tctactccc tagatcttcc aaccttgac 300  
 aagtgtctga ggaagaattg ataatcatgt gggttttct 339

<210> 10655  
 <211> 412  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10655

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 ctgaaattgt ggcaaccaa agtcaccccc aacagccaac aagtcagcca ccatttggtc 120  
 tcccaaaagg ctgatgccta gtgatgcaat cctaccttgc aagggcattg gatataaaac 180  
 ttgaagtaga ttgggccaga gatgcaagag aaggccctag ggttcttatg agccttaggg 240  
 tagatttcgg gcccatgggc taagtacgag cccacttata tttgtaaata ttagattaag 300  
 gtttcaatta ttttgggcct cgtatttagg gctccataat ttaggtaggg taccctagan 360

atataggact ttcagccctt gtattttagg gcacctagac tatgttttga tt 412

<210> 10656  
<211> 287  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10656

cgcccttaatc taacttccgt gtgagaagta tgaccatttg aattttctcaa gagctttctt 60  
tgttcaactt tgaacgtctc gatttgtgat tcgccgaat cggacatccg tgtcaaattgg 120  
tatgacctat tggatntcta aagagcttct gttgttcaat ttcgagcctc tcgacatatt 180  
atgcgccccg atcgggcctc cgtgtgaaaa cttatggcca tttgaatttc tcaagaagtt 240  
ccgatgttaa tttcgagcgt atcgatatat nataagcctg aatcgga 287

<210> 10657  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10657

agcttataga atatataata aaagaacaat gacaattgaa gagtctatac atgtttcctt 60  
tgatgagctc aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120  
agaagataca catattcatg gaaataactc taaagaaaaa gatgaaggaa gcaatgaaga 180  
ttctcaagat aatggggcta gaggaaataa tgaacttcca agagaatgga aagcctcaag 240  
agatcatccc ctgcacaaca ttattggtga tatatcaaaa ggggtaacaa ctgacattc 300  
tcttaaagat ttatgcaata atatggctct tgtatctatg attgaacctc aaaatataaa 360  
agaagccata gtagatgata actggataat taccatgcaa gaagaactga atcaatttga 420  
aagatataat gtgtganaac tagtagaaca acctgaa 457

<210> 10658  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 10658

agctcgcatc aagtccctgtc taagtgggtcc tgaatatttg tgtatgacag nggtcaagaa 60

tgatagagat gagctaattc ctacaagaac agtcaccggg tggagaatgt gtatcgatta 120

caagaaactc aatgaagcca ccatgaaaga tcattaccgg ctccctctaaa tggatcaaat 180

gcttgagaga cttgcggggc aatcttttcta ctatttcttg gatggatact cgggctacaa 240

tcaaatacga gtagatcctc aagaccaaga aaagacaatt gtcacatgcc tcttctgtgt 300

attagcttat ctgcacatgt cgattgggtt atgtaatgcc ccagctactt tccaaagatg 360

tatgatggca atgttcgtg acatggcata gaaatgtatt gtagtctcta tggatgatcc 420

ttctgacttt gcacatcttt tgg 443

<210> 10659

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10659

gtctcttcaa ctgcacaagg ctcttaatat ttgaagagta ttcttgtgga accttcattc 60

tatgaagaca ctgacaaaaa attatcttct acttcttggga caaagtatgg caggctgggg 120

gcaagtaaat tttcttccca tcagaccttg gatgcaattg tgatcgtata cccatatcag 180

ctagatcttg acagggtatc aagccatcct tcgtcttgcc ttgaatgtta aggagcgtcc 240

caatcacact ttcacaaaca tttttctcca catgcataac atcaatacaa tttctaactg 300

caagatcaca ccagtacgga agatcaaaga anatggatct cttcttccat atgcaactct 360

gactnttata cttcttttgg 380

<210> 10660

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10660

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attaccgaan ttgtaagaac aacaattaag tcactcttgaa agtactcaaa cagataatag 120

tgcactatag cttccctcag agacagaggc catgaaacct tcaccctttc ttccaaaatt 180  
 cagtgaaaaa tcagcattca aaagtggtaa agggcattaa atgttttttt tttttacttg 240  
 gtgcaggetg gacaaacctc actagtata attgttcccc aatccgggtc ttttgcaaac 300  
 attcagctga taagattttg aaagtgggaa tagtagactg agggcaccta aatgaaaatt 360  
 gtgaanaggg tgtcaggtgc atttatcaga tacattttta taatgatata ttacttagtt 420  
 tcaaaaacat tactaaggta tacaagtaca acaacattc 459

<210> 10661  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10661

agcttgcan aatggaagcaa agatatctct ctatgggtga aagaataacc ctcatthaatt 60  
 cagttttaac agcattaccc atttacttgc tgtctttttt tagaatccct aaaaaagtgg 120  
 tgcaaaagat agttactatt cagagaaatt ttctataggg aggggtgattt gaggccaaaca 180  
 agatcccttg gtgaaatggg acacaatttg tcttcctaag aacaaagggg ggttagggat 240  
 taaagacttg atcaaattta atgaggctct gcttggcaag tgggggtggg agttgggctaa 300  
 taattagaac caactntggg caagaatttt attgtctaaa tatagcggct ggaatgaata 360  
 gctctctggt agaaacagta gtgattttct tcattgatgg aaagatctaa agattgtatt 420  
 tcagtagtag gacagcaata gcatcatcaa taat 454

<210> 10662  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10662

agcttgaatc ggacatccgt gtganaagtn atgatcattt gaattttctca agagcttccg 60  
 tagttcaatt tcgagcttct cgacatatta tgcgcccga aatcgacatcc gtgtgaaaag 120  
 ttatgacctt ttgaatatct cgagagcttc cgatgtttta tttcgagcgt atcgatatat 180  
 tataagcctg aattggacat ccgtgtgaaa agttatgacc atttgaattt gcgagagttt 240

tcgatgttta atttcgagcg tategatata ttatacgctt gaatcggaca tccgtgtgaa 300  
aagttatgac catttgaatt tctcaagagc ttcgatgggt caatttctag actctcgaca 360  
tattatgcgc ccgaatcggg catccgtgtt aaaa 394

<210> 10663  
<211> 423  
<212> DNA  
<213> Glycine max

<400> 10663  
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agcgtctcca atcatcatte ttccatctcc attccactgc cattaatctt caagaagaaa 120  
aagaatccat tgatgaagaa gatccaaggc ctactatcat actctaattt cgtccgggca 180  
ccgtgttttg tcagcatgcg accttcgttt gaccacttca aaatgtttaa caccatcgcc 240  
cgtgaaattc gtaaagttcc gagatgtttc ggagagaaat cggccaaaaa cagcaaaatg 300  
gaagtgtagt tagcaaagta ggggtgtgta aatagactgt tacaccctaa ttcatctggt 360  
ggactgttgt tgatcgcttc gaaaggcttc acaccatcg tcatggaatc cgtaaatttc 420  
gga 423

<210> 10664  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10664  
agctngatat atgtaaatgg ttggaaatcc tttgacttga gtattcttca gaaataaatt 60  
gagcagagct actccaactt tgcctcagac tccagattca gaacaaagt ctgtagtcca 120  
gtcttggaaat tttaaacaaa aaatccaatt cttgaagttt aagaaagagg aagcaatngc 180  
acttggggct caagccctgg atttgagatt gccatttggg gaaattgagg ttcttaagga 240  
aaacttggac gtgatcaaga gacagatagg tctagaagat gtggaaattt tatctgcagt 300  
agatgccgat tccttggcca gagctgaacc attagcttct ntactaaatc aaaatcctcc 360  
ttcacctgga aagccaactg ccatctttnt aactcggtag ctac 404

<210> 10665  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10665

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 gatgctgaag gttgaaaaga aatgatggaa tctcataacc tatgttattc aaatcgaggc 120  
 cctaagtatt tacttgggtg atgttcgcaa aatattgagc aatggctcca gtgaagctat 180  
 tatgagaaaa acacaatgaa gtgagatgtt gaggatttga aagtgatgat ggaatctcat 240  
 tgctganatt gttccaacac aggtccaagt gttatacttg tgtgagatta gataaaaaa 300  
 gaggaatatg tcctttgaag tcagatgaat g 331

<210> 10666  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10666

gagcgatata tctaactcaa ttgatcaatc tatgtaaatt atcatagata atnggatata 60  
 tagtctttga atgtatagat aaaaaaatga aaacaatcaa ttataaaatc aggtatcttt 120  
 gttctctcta ggaattttta caaccaaaca attattgcac ctacaattgc ttgtgaggtt 180  
 tttatttatt tattttaaact tttaattgaa ttctaagact ctaaaaatta attatgtata 240  
 cttgactcga atntatacta ataacaaaga aagacttaat atctctatct gtttataact 300  
 aattaaaatt gaatgtatct gaagttcaat tctcatgtat aaaaattcta ttaaaacttct 360  
 catttgcctt tatctctttc tatcatacta tatcaattat gctatcaatt actcatctct 420  
 cttttgttgc aatttctctc aagatgtata c 451

<210> 10667  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10667



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tgcatatgga attgcttcca tntgttttca ttccaaatca ttttaagacat tgtgcaaggc 120  
taaatntgtc tcttttctaa atggaacggg tgatgttgaa cactttttct tcttaaactc 180  
ctctagtact ntattgatat atgctntatg agataagctt aacaatccaa gtgatctatt 240  
acggaatata tttatcccta tcatatatct tacctcacc atactcttta catcaaagtt 300  
gctagagaga aacttcttag tctcatgaag aagaccaaga ctattagttg caagtaagat 360  
atgatncaac atacagaata gaaaaataac cttactccca ctgaccttca gatatatata 420  
caccaatcaa caatatntc cttaaattca aaggaaacaa t 461

<210> 10668  
<211> 475  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 10668

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taccttttaa ttntaaacat tgcgtggact gtgttgtagac tctcttgtag tattttctac 120  
catagaaggg ctagtcacga tcaacaaang ntatatcgta catgtcgaaat ccaaaaataaa 180  
ctagtacatt ctcatthaaa aaaacaaata atacttgttt ggtaaatatt gaagaactaa 240  
ttttaaactc taagttgatt ntagattaca acanatttga ttaactttta cgttgaatta 300  
aaatthtctc tctatcttga ttttataata aaaatatcgt catataaatc agttaacatt 360  
catctaaaca caactntaat ggaacatttc ataccaggct attatgattc agattcatca 420  
atgataatat gagagccaat annttggtt caattcgaat cgactctcan atctc 475

<210> 10669  
<211> 482  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 10669

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ccaagtgtag tacttatgta caattcgatt ccgaggatat taaaaggctt tntatttatt 120

attttacttt tctgtacatt aataactcta acatctcaca ctataattag taaatatgat 180  
 taattaattc aatatatact gacataatta atatcgaata agataatcaa atagttaaga 240  
 aaatggggat aaaaatagac taaagttata tgataattaa aatagttaag gaaatgtata 300  
 aaaagataac tcgcttttagc atttaattnt attggtctta ataatttaca taaattttaa 360  
 tatntacac aaaaattcac tctaataatta agaatgttaa aatgagtgac tannatttat 420  
 tttataggtc gtataatact taaaaaatat attatttata caataaatgt tntaaacaat 480  
 ag 482

<210> 10670  
 <211> 321  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10670

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 tgggggcaag taaattttct tcccatcaga ccttgtagtc aactgtgac gtatacccat 120  
 atcagctaga tcttgacggg tattaagcca atcttctgtc ttgccttgaa tgttaaggag 180  
 cgtcccaatg actctatcac agacattntt ctccacatgc ataacatcaa tacaatgtct 240  
 aacgtcaaga tcacaccaat acggaagatc aaagaanatg gacctcttct tccatattgca 300  
 actatgactt ttatccttct t 321

<210> 10671  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10671

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 tgaaatgtta atatttttaa ttttttccct ttgtggactc aaactttaaa ttttcaacaa 120  
 cacctacatt aaaattggaa gacattctca cattaattat tgaaacttag aaatgtcaaa 180  
 taagttctta aacttaatga tttagtttta tttcggttct taaacatatg ctaatatttt 240  
 taataatatg tctacattat caccctatgt atattatctt gaatgttgca ctaatgtcat 300

cgttgattat atcttttagag ggttntgttt cttcgattta ataactatct gacaattcat 360  
tccattttca agatctaaag tg 382

<210> 10672  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10672

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actacctctt tgaagaaaag atccatcaca tgacaagcat cgccacacct gtgacatgga 120  
atgaagtatg ccatcttggg actatcaaca accacaaaaa ttgaatcctt gccccctctg 180  
gaccttgga gaccaagcac aaaatccatg gaaatgttgg tccaagggga ggtaggaatt 240  
ggcaatggag tatacaaaacc atgatgcatg atnttggact ntgccttatg acacacaatg 300  
caattagaac aaaaataaaa ttctatgcaa aatgttcaaa gtcttttcaa ctccaaaatg 360  
gtcccatata ccccccttat gaacttcata aatcacgagt tcacgcatta nactttgatg 420  
ctacacaatc tattattttt aacaagtat 449

<210> 10673  
<211> 482  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10673

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gatactatgc tagatggcac accatgtaac ctgacaacct cacttatata caagggtggtc 120  
aacttctcca aggaaaatct gatattaatg ggaatgaagt gagagactta gtcaatctgt 180  
caacaataac ccagatagaa tctaaacctg taggggttct aggtagtcct accacaaaat 240  
ccatggaaat actgtccac tccactgag gtatctctaa ggggtgtgac ttccctgaag 300  
gtctctgatg ttctatctta gccttctgac agactaggca tgaattcaca aactcactaa 360  
cctctctctt catgttgggc caccacaaaac tcgtctntaa atcatgatac atcttggtag 420  
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<210> 10674  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10674

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gtttatgagc aactcacgat tcaacagatg tgacatggac cattgtagct acgttggtgc 120
aacctacctt tctgcgggag ggcgacacgt gaatagtgat gcgtattcca cgaaagggat 180
acgcgcggag tcgccaccaa cgtttatttg aggaaaacgt cagatgaacc agatagacgc 240
gatctacgaa cttttaagtg aaaggctcgg gagatgtatt tatgcacggg gaagggtatta 300
gcacccacac cgatcgtcac aagggacggc agcctttaat cgaatgtgca aacatgactg 360
tgattttacg ttccgcttta tgtccttata tccttatacc ctgtttacat ttttctctct 420
tgtggcgac 429
```

<210> 10675  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10675

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caagtgttgg tggaggccag atgtaagggtg tcatatgtgt ggtcagttat ggcatgtaaa 120
agaattgcaa atttaacaca caagaagaag tcaaggttgt tgaggaccaa tcacaagagg 180
agcagttggt cgttgcatca tgcttggtt tcagtagctc tacaaaaagt tggcttattg 240
atagtgggtg tacaaaccac atgacctatg atcgtgagct ctttacagaa cttgatgaag 300
ctattttttc taaagtcaag ataggaaatg caacatatat tgaaataaaa ggcaaaggaa 360
tttgttcaat ttaaggccac acgggtttga aactaatctc tgataactac taaatatgag 420
ttantttgat aataaaaaata tattgaanat atctctaaaa atat 464
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<210> 10676

<211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10676

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 aaatgttcat ctaaagcata caagtccta atgttatcaa atcctaaaat atgagctcct 120  
 agggagcaaa acatgtgtgt ctcttagaga gggcatcagc taccacattt gtttttcct 180  
 ttttgattt gataaaatat ggaaattgct ctagggtactc taccatttt gcattgcctt 240  
 tgtttaactt gctttgcctt ctaatgaact taagtgttg atgactacta tgaatgacaa 300  
 attccttga aacaaggtaa tgttcccaag ttccggagtgc tcttattaag gcataaagct 360  
 ctttatcata ngtggtgtag ttaagggtgg caccatgaag tttctcacta aaataagcaa 420  
 tagggtgcc accttgcaac 440

<210> 10677  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10677

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 ntttataatt agtggttagtt aatattggtc ttaataccac tactacaatg tgatctttaa 120  
 caatatttct ctgtctaaca cttagtataa atattgntaa ggttttgaca acacttaaaa 180  
 tatgtcgcta aaaaatgaata aatattatta atatatgttt ntatgacact ttatcaata 240  
 tagtgataa gtcattgtgt taaaacctt aatcacttat atttcatcaa tcaattcaag 300  
 caatccatac acttagccaa atagccattt aatcacaaca acaaacgtaa aactcataac 360  
 cctagaccgc ttgaaaacaa aacagaatca tgccataatt aaaattagac anagattttc 420  
 aacatagaaa ctntttacat agcagt 446

<210> 10678  
 <211> 498  
 <212> DNA  
 <213> Glycine max

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<223>      unsure at all n locations
<400>      10678
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<210>	10679
<211>	502
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      10679
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gctaaacatt caacttcgag cgtctcgata tattacgagt ctcaatcata catccgagan	60
aaaagttatt gtcatttgaa tntgctcaga ggttcaacat tcaatttcga gcgctctcgtt	120
atattacagg actcaatcag acatttcgagt aaaaagttat tgacgtttga attagtcaga	180
gcgttccaca ttcaatttcg agcgtctcga tatattacgg gccccaatca gacatctcga	240
gtaaacgtta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctcg	300
atatatgacg agactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc	360
agagcttcaa cattcaatnt cgagcgtctc gatatattac aggactcaat cagacatccg	420
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct	480
cgatatatga caggactcaa tc	502

<210>	10680
<211>	395
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
<400> 10680

agtcttgaac caattcaaac gacaataact ntntactctg atgtctgatt gaggcccgta 60  
atatatcgag acgctcgtaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120  
tttttactcg gatgtctgat tgagtcctgt catatatcga gacactcgaa attgaatgtt 180  
gaagctctga gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgaggcccg 240  
taatatatcg agacgctcga aattgaatgt tgaacctttg agccaattca aacgacaata 300  
actttgtact cagatgtctg atagagtctc gtaatatatc gagacgctcg aaattgaatg 360  
ttgaagctct gagctaattc aaacgacaat aactt 395

<210> 10681  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10681

tagagtggca tactcttatt ggaaatcaac ttgttacaaa attaanagtt ntaaggactg 60  
acaatggcct gcagtttgat tcagagcaat ttaatgagtt ttgcaggaaa gtatgtatca 120  
aaaggcacia aacagtttct acacaccaac aaaatggatt agcagaaaga atgcataaga 180  
ccattttgga aagagtggag tgcattgctgc ctattgcagg actgccaaag accttttggg 240  
gagaagctgc aaacacaaca acctatgtga ttaatagatg tccatcatca gcttttagact 300  
tcaagacacc aatggaagct tagagtgggtg aaccacctga ttactcaaga ttgaagggtg 360  
ttggatcact ggcttttgct catgttaaac aangaaatgt ggatgcaaag gctgtanagt 420  
gtgtgttcat tatctat 437

<210> 10682  
<211> 464  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10682

tcattgagaga gtcaaagatc aaattgagag gagaaattaa agctatgcta aacaagccaa 60  
canaggaaga aagaagggtg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120

agaaagggtt cctgaacaaa ggatatcaaa gcttcaacca aggggaatgg accatttgtg 180  
 cttgaaagaa tcaatgacaa tgcttacaaa gttgagctgc ccggtgagta taatgttagt 240  
 tccaccttca atgtctctga tttatctctt tntgatgcag atggagaatc cgatttgagg 300  
 acaaactcct ctcaagaggg agagaatgat gaggacatgt tcaagagcaa gggcaaggat 360  
 ccacttgaat gacttgaggg acctatgaca agggctagag caaggaaagc caatgaagct 420  
 cttcaacaag tgctgtccat actatntgaa tacaagccca agtt 464

<210> 10683  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10683

cagctagaat gttaggacgg tatcaaagta atctatgaat ggtacattcg anaactacaa 60  
 agaagggttct aagatactta caaggaacaa aaagtttgat gcttacatat aggaggtttg 120  
 atcaccttca ggtgattggg tatttagact cgaacttgct caatgtgcag atacaaggaa 180  
 atccaccctt ggttatgtac ttcttttagc caaaggagta atatcatgga agagtgc aaa 240  
 gaaacctatt gttgctacat tcattatgga agctgaattt gtagcatgtt ttgagactac 300  
 aattcaagct aattggcaac aatattgtca agccgctaaa aatatattgt aataactcca 360  
 taacagtatt nttctctaag aatgacaagt actctaaagg tgctaaatat atggaattaa 420  
 agtaatttgt cctgaaagaa gtacagaaac aaaaaatgtc aatagaaatt 470

<210> 10684  
 <211> 460  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10684

tgagcanatt cgaacgacaa ttacttttaa ctgggatgtc tgattgtttc ccgtaatata 60  
 tcgagacgct cgaaattgaa tggtgatggt cggtgcaaat tgaaacgaca ataactgttt 120  
 actctgatgt ctgattgagt cccgtaatat atcgagacgc ttgaaatgaa tcttgatgct 180  
 ctgagcaaat tcaaacgaca ataagctttt actcggatgt ctgattgagt cctgtaatat 240



atcgagacgc tcgaaattta atacgagagc tatgagcaaa ttcgaaacgac tataatTTTT 300  
 tactcggatg totgattgag tctcgaaata tategacacg etcgaaattg aatgttgatg 360  
 ctctgggtcga ttcaaacgac aatatatTTT ctgccaacat tgcagaattt ntatacatc 420  
 actggtctat aatatctctt tatggtagac gaagttttgt 460

<210> 10685  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<400> 10685  
 agatagggca tgctcgatgg cccttaacac tgtattcatt caaataccaa tatgcttgga 60  
 agtcattatt ggtaccaa at tacatccac aacttgaatg ttttatttcg ataccatga 120  
 aacactaaa ttctctattc tacaactttg tcagtcttta tctatggacc gagataaaca 180  
 tcaatatcat ttcttggttc gcttggtgct gatatcatca ttgacaacat catgtattct 240  
 tgtttcatgc acaaccaagg aggcaacgtg tatattacta acataacagg ccacatacta 300  
 tgttgagtac ttaaactatc atatggattc att 333

<210> 10686  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10686

tttgtgaagt gatttgccg atatgttgat gatagaanaa gtactaccg anttgattt 60  
 tttatgggtg attggtgttt tacatggagt tctaagaaac aaggcattgt gacactttct 120  
 acttgtgaag cccaatatgt agctgcaact tcttgccat gtcatgccat ttggctaaga 180  
 agaaatgtgg aggaaccttc agtgttgcca taagaaagca ccaagatcta tgttgataat 240  
 agatctgcat aagagcttgc caagaatccg gtgttccatg aacgaagtaa gcataatgat 300  
 acaaggtatc attttattag agag 324

<210> 10687  
 <211> 244  
 <212> DNA

<213> Glycine max

<400> 10687

atggagtagc ccgaagctta tgetgcagac atttacaata gacctcetta acctcagcag 60  
caaaatcacc acaacagaac aggtatgacc tctctagcaa aagatacaac cctggatgga 120  
ggaatcacc taatctcaga tggcttagcc ctcagcaaca acaacagcag cctgctcctt 180  
ccttacaaaa tgetactggc ccaagtagac catacattcc tccaccaagc caacaacaac 240  
aaca 244

<210> 10688

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10688

agcatgggct catgaacgca cacctttggc taattttatt tgatggagag ataaaccaat 60  
ggctcttttc attgtgcaag caagattggc tggactaacc cactttttcg gagggatatat 120  
atctacttat gcagccttct taattgcctc gacttggggc aaatttgggt aatttcatta 180  
attctttatt attatatctg gcatatcatt tccttttatg gggaanggac gccaaattata 240  
catctaggat ccgacttcta tcattgatac taataggaaa tgaaccacta tggcaaggaa 300  
aagtgtgat 309

<210> 10689

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10689

tgggtggtga gtcatatata cagtttcttg aaggtctcca tgcaaaaagg cattgttgat 60  
atccacttga tgaataggcc aatgttgata aaccacaaag gacagaacag atctaactgt 120  
tgctggctta atcactggac taaaggtttc tttaaaatca aaccctctc tttgatgata 180  
cccttttgc accagcttgc ccttgtgcct ttgaaaacgt ccatcagcat taaacttgc 240  
tttaaacgt catgttctc ttccatagct ttgagccatt ctggcttggc cattgttcc 300

tttatagtat gtggctcaac aatgtgatca tagcttcctt ccttgtaaga agcataagtt 360  
 ttccgggttaa aaacaccagc ttggctctg gttgtcatgg gatgagtatt ntgaggaaca 420  
 taactngcaa tgggag 436

<210> 10690  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<400> 10690  
 ccaagcttat gctgcaaaaca ttataatag atcccttcaa tttaaaaacc aacaacaata 60  
 gaataattat gatctttcaa gcaataaata caatccaggt tggaggaatg atccaaatct 120  
 gagatgggca agtcctccac aacaacaaca gcctatccct cctttccaga atgttgctag 180  
 tccaagcagg ccatatgttc ctctccaat gcagtagcaa taacaacagt aacaacaaag 240  
 acaacaagca actgaggccc ctctcaacc ttccttagag gagttagtga ggcaaatgac 300  
 catccaaaat atgcaatttt agcaagagac aagagcctcc attcagagtc tgacaaatca 360  
 aatggggcag at 372

<210> 10691  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 10691  
 gtatcaaatt caaacgacaa taacgtttta ctcggtatgt tgattgcgtc tcgtaatatata 60  
 tcgagacgct cgaaattgaa aacggatgct cgtagcaaat gcaaaccgca ataactttta 120  
 actcggtatg atgattgagt accataatag atcgagacgc tcgaaattga aaaaagaagt 180  
 tctgagcaaa ttcaaacgac tataactttt tactcggtatg tctgattgag tcccgtata 240  
 tattgaggag cacgaaattg agaacagaag ctctgaccat aatcaaacca aaataacttt 300  
 atattcggtat gtgcgattga gtcccgtaat atatgaagac gctccaaatt gaaaacagaa 360  
 gctctgaaca aattcaaacg acaataactt ttactcgga tgctcgattg agtcccgtaa 420  
 tatatcgaga cg 432

<210> 10692

<211> 360  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10692

agctntgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 60  
 atatatcgag accctcgaaa ttgactgttg aagctctgag ccatatcgag acactcgaaa 120  
 ttgaatgttg aagctctaag ccaattcaaa cgacaataac ttttctctcg gatgtcttat 180  
 tgagtcccgat aatatatcca gacgctcgaa attgaatgtt gaagctctga cccaattcaa 240  
 acgacaataa ctacttactc ggatgtctga ttgagttctt taatatatcg agacgctcga 300  
 aattgaatgt tgaagctctg agccaattcc aacgacaata actttttact cggatgtttg 360

<210> 10693  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10693

tggtaaaaata gtttgtttgg ttcaaattatt tagagatcgt tacaatactc agtttcaaaa 60  
 atatgttaac taaattatatt ttttatctag aacactaaag tttagttcac taaattatatt 120  
 ttatatagaa cactaaagtt taatgacttt atttgtctat tgaaaaaata cagtggtaaa 180  
 ttatactctc tctttatatt cttaattata aaattttttc aactaattca tacctcttaa 240  
 gaaaagtaat tagtttttat ttaatcacat taaatttgtc aattaattgt taaatcattt 300  
 caaaattact tttttttttt agagaaaaaa ttacattcat cttatcttta tccacttaat 360  
 tatattatana ttaatatagg agaaagacnt aataagaaaag ggtatgtaag acaaatataa 420  
 ttaatgcac tagaaat 437

<210> 10694  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<400> 10694

agcttcttta ggtgtgatcc ccttaagctc tttgttgaa tttgttcaa aatacagtta 60

gtagtagata ccgcttcccc aaaagtaata aggcattctt ttccttttca tcatgtctct 120  
 gcccaagtcc cgaaatgtca tatttctttt ctccagcaaca ccattatgtt gaggtgtgta 180  
 agggggtgcc acttcatgag ttttaccttc atcaccacaa aatttctaaa attcatgtga 240  
 attgtattct ccatttgttc taagaacctt aattactttc ccaccttgtt ttctgacctg 300  
 tagtttgaat ttcttaaaga tctcaaacgc ttcactcttc ttattgataa gataaatcca 360  
 tattttctag taaactcacc aacaaaagaa acaaagt 397

<210> 10695  
 <211> 439  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10695

gctattttaag aatgatgac taaattcgat cttgtantgg ttataattca agtggagtgg 60  
 ttcaaaatct cagctaaagt tattttatta ttttgaacat aattttttta tagttttata 120  
 cttataatat aaaatcattt atacctttgat gtaggaaaga agcttgacaa acaaagctaa 180  
 tagaagcaag caagaaataa aatcaattat tggcacaaaa atcaatcatg caaaaggcat 240  
 ttgaaatggt aacatctttt aatattttat attcattttc ttataagtta tataataata 300  
 actctttttt tttgttattg tttttatatg atatatgaaa gtttggtgaa atttatataa 360  
 aagcatcatg cattagatta tactgttttt atattattta atttgtctnt tactatattt 420  
 aattttaata aaaagaaga 439

<210> 10696  
 <211> 389  
 <212> DNA  
 <213> Glycine max  
 <400> 10696

agctttttat tttcagcata tgaagattaa tctgtggcca ccacatggac tctctaaagg 60  
 acaataacat catttcttgc actgaattga tgggagttgg aagccatctt ctcaatcaaa 120  
 ttctatcct caacaggagt catatcacca agggctccac cactggcagc atcaatcata 180  
 ctctctcca tgttgctaag tccctcatag aaatattgaa gaaggagttg ctcagaaatc 240  
 tgggtggcgag ggcaacttgc acacaatttc ttgaatcttt cccagtactc atacaagctc 300

tctccactaa gttgcctgat gcctaaaatg tcttttctga tggcagtggt cctagatgca 360

gggaataatt tctccaagaa caccctctg 389

<210> 10697  
<211> 435  
<212> DNA  
<213> Glycine max

<400> 10697

cgcctttgcc tgatccagat tatgaggtag atattgacta tttttggggg tgtgaaggtc 60

ttaagaaaaac catttggaac cttatgaatg gtgatgagaa cagccccatt gaggaagatc 120

tcaaatccag caatgcacat tgcattctat acaaaaataaa ggatcttagt aaggtataaa 180

tcaacatgac atttaccatt atattaattt acataatggc tagctgggag cactaagaga 240

taaatgataa tcatgtgtat taaaattcag gcaaaaaaag ttgatgagtt gaggcagaag 300

cttacgatga gaggtctacg ttgtcatcct atgtactgca gggggtcac tagaatgcat 360

gtgattcttc ttcttcgac tagagcccag gcactcacgt aattaccact tcatccttaa 420

cttctaattt atatt 435

<210> 10698  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 10698

cttaccacca taggaagcca tggataatag tttgaatgaa ggaaaagatg agtggaggga 60

gaggggagaga atgagcacia aattttgtgc ctcaaatgag gtatgaactt tgaagtgtaa 120

ttctaaaaag atcaaagttg aaaaaatgca cacacatgac ctctatttat agcctaagtg 180

tcatacaaaa ttggaggga atttgaattt ctattcaaat tttacttgaa tttgaaattg 240

aattttgtga gccaaatttt ggagccaaaa ttctactaat tatggtagt ggaatttagc 300

tatggttcat cccactaat caagatcaag tccaagattc tccactaagt gtgcttaggt 360

gtcatgagga atgtaaagca taaaggacat gcacanagag tgattatatg atgtgac 417

<210> 10699

<211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10699

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gaatgcactg ttcaatggag tagacaagaa catcttttga ctgatttaca cttgcacagn 60
gyccaaagat gcatgggaga tcttgaaaat cactcatgaa ggaacctcca aagtgaagat 120
ttccagattg caacatctgg ctacaaaatt cgaaaatctg aagatgaagg aggaagagtg 180
tattcatgac ttccacatga acattcttga aattgccaat gcctgcactg ccttgggaga 240
gaggataaca gatgaaaagc tgggtgagaaa gatcctcaga tccttgccta agagatttga 300
catgaacgtg actgcaatag aggaggccca agacatttgc aacatgagag tagatgaact 360
cattggttct cttcaaacct ttgagctatg actc 394
  
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<210> 10700  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 10700

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gcttcttcat tcaggatatc attcagatac gcgctcttca catccatctg gtacagcttg 60
aatttgagga agcaagctac accaagtaac aatctgatgg actcaagtct agcaacaggg 120
gcaaaagttt catcaaagtc tacaccttca atctgagtggt agccttgagt aacaagctctg 180
gccttgtttc tgggtataac accatcttca ttggttttgt tcttgaagat ccacttggtg 240
ccaatcacat tagttccctc gggctctagga actagctccc aaacttcatt ccttttgaat 300
tgctccaatt cttcttgcat agcattgatc cagaactcat cagttagtgc ctctttcaca 360
ttcttgggct caattatgga gacaaagcat gaattggaga caatctcaat c 411
  
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<210> 10701  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10701

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gcatgcaagc tntttctata aatatttaac atagttgcat ttcatgactc aacaatatat 60
  
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aatttttcat tacaaaaataa tgtattaact ctatgtttaa tagcttcata tacacaaatt 120  
gctaactcatt tgagtactaa attaactatg gtaaattaaa taaaaaatat atgacactat 180  
aatcaaatat atgttttgta tataaatgaa atgttcaagt tatatttatg ttcatgtaaa 240  
tgttcaagta atgtttgaca attatgatac attcatgaag catataagtg aaatgttgta 300  
tgttttagcac tcactaagac cctgtctcat tagtttagtg tgtatgttcc ttaggttaaag 360  
agatctagtc caagagcata caagtgcaaa gcataatt 398

<210> 10702  
<211> 450  
<212> DNA  
<213> Glycine max  
<400> 10702

tgaccctcga gcccatccat gcacttttat tggcttgata ccacatactc aaaggatata 60  
ttgtctatga ccttcactcc cacaatatta tagcatctcg caacatcgtc ttttatgaag 120  
accatttttc gttatttcat gaaaaccaag cctcaaacac cacacatacc tctctttccc 180  
caactccatt ttcgagcaac cccgaaaatt ttgactctcc tatcacaccc attgtcaacc 240  
cgtctttctc acatgctcac gaccctcacc taagacgata tacgagaccg aagcatgcac 300  
ccacctacct ccaagactac catcgtgata tcacttctct cactgttacc acctcgccca 360  
atgttcggta tctctttaac tccgttttgt cttactctcg tctctctctt tcgcttcgtc 420  
acttcgtcat gtccatttcg gtatctactg 450

<210> 10703  
<211> 374  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 10703

ccaagctntg ggactgagga cctatataac attatcaagg ttttagttta gggagttttt 60  
tttcggagag gaaaataatt ctaggatttt agaattccag tttttattac tgttcatgca 120  
cactgttcac gtagaataaa atttattttt tgcaaatcat ctctaattca tacatctttt 180  
aatattatgc tctttttatt ttcttttgat atactttgtg ctttaacgac ttgaattcaa 240  
tatgattttg tttatcaatt atttttggat ttatacatta cttatacaaa attttataag 300



tntctttttt tagttaatat ttgactaggt tttaaaataa ttaattaaag atgtctttaa 360  
acagactttt aaat 374

<210> 10704  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10704

tgagcaaatt caaacgataa taacttttaa ctcggatgtc caaatgtttc ccgtaatata 60  
tcgagacgct cgaaattgaa aacaaaagct cgtagcaaat gcaaaccaca ataactttta 120  
actccgatat ccgattgagt ctctgatat accgagacgc tcgaaatnga aaacaaaagc 180  
ttgagcaaat tcaaacgata ataactttta actcggtatgt ccaaatgaaa cccattgtat 240  
atcgagatgc tcgagattga aaaccgaagc tcgtagcaaa tgcaaaccac aataactttt 300  
tactccgata ttcgagttag tcccttatta tatcgagacg cttgaaattg aagacagaag 360  
ctcgtagcaa atgcaaacca caagaacttt taactgggag gacgattgag tccggaatat 420  
atcgagatgc tcaaaattga aaacagaa 448

<210> 10705  
<211> 428  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10705

tcaagctagt tntatccaca tagtggatat ctteccatta caaacttggg agtttactca 60  
ataatcatcc aaaaacactt tttccaataa tttagttttc tcattgaatt tcaatgcatt 120  
tggttatatg aattaataaa ggagaataaa tgaaataaga aaaaaattat tgtttgattt 180  
gtaaatgaaa ctgaaatgaa ataatgttt ttaataagtt ttaatatgtt ttttaagcaaa 240  
agtgtgggca acaaaaggat atacttttta gaataaaaaa tacatttttt taatttgatca 300  
gtatatcttt atgagcattt aatttgcaat attttgttct ttaaggatat ctaagttatt 360  
tctattaaaa aaggatatct aagttattta atgaacatac ctcttctttt tccttattca 420  
actaaata 428

<210> 10706  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10706

tettacaagc atacggctnt ctggatgtag atgatgatat ctatacagat ggaatttata 60  
 tatctatata tctatagata gatatataga tatagatata tagatataga tcatacaatg 120  
 aagtaccgca cgagtgggta tataggaatc caaatctgcc gaatcactca tgttatgata 180  
 tctacatcc taggtcttcc cgttcttcca tctggttat gttcttcata tagcattcag 240  
 actgaatgac tctatgaaat tacgtcgcta ctccacatg gtacgggtaa cgtaagagac 300  
 atctctatct tcccgggtgg gaatccttag aattaccaca gcttagcttt caattcgctt 360  
 ctgaccatca aatgaaat 378

<210> 10707  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10707

agcttgtgat ttagttnttg atgcagcatg tgagggaata caattcttaa ttgttggtac 60  
 aaaaaaaaaa gcagcggatt cagtagcacg ggctgcaata agagctcggg gtcattatgt 120  
 taataaaaag tggctcggcg gtatgttaac gaattggtat actacagaaa cagcacttca 180  
 aaagttcagg gacttgagaa tgcaacaaaa gacggggaga ctcaatagtt ttccaaaaag 240  
 agatgccgct atattgaaga gacatttagc tcatttgga acatatcttg gcggcattaa 300  
 atatatgacg gggttacctg atattgtaat aatcgtcgat caacaagaag aatatacggc 360  
 tcttcgagaa tgtataactt tggaaattcc aacaatttgt ttaatcgata caaa 414

<210> 10708  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<400> 10708

agcttggact tctgtgttt tgggaacctc tcttctctca ggtgtacca aacccaatca 60  
 cctgggttcaa gcatgacttt ctttctgctt ttgttggett gccttgcata gctcgcat 120  
 ttcttttcaa tttgggcctt cacttgetca tgcaacttct tcacatactc agcttttagcc 180  
 tgtgcacctt tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240  
 aaaggattaa atccatacac tatctcaa at ggtgaacaat tagttgtgct atggacagcc 300  
 cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag atttttcttt 360  
 aaaacagtec taagcagtgt gcctaaagtc ctattgacta cctc 404

<210> 10709  
 <211> 363  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10709

ngcacatgg aagcagagat gtctntctat ttaggcatga taacctcat caattctgtc 60  
 ttaacagccc tccctatcta ctttctctct ttttttagaa tccctaaaca agtgggtgat 120  
 aaggtagttt ctattcagag gaactttttg tggggaggag gttctgaggc agccaagata 180  
 ccgtgggtaa atcgggatat tgtttgtctt cccaagaata aaggagggct ggggattaaa 240  
 gatattgcca agtttaatga ggccttgatt ggtaaatggg gatgggactt ggcaaataac 300  
 cagaatcagc tgtgggctac agttttgatg tccacatatg gtgggtggaa tgctttatgt 360  
 tat 363

<210> 10710  
 <211> 372  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10710

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 atgggataat ttcttcattt ggttttgatg aaaaccccat ggatcaatgc atataccaca 120  
 aggttagtga gagtaaaata tgttttcttg ttttatatgt agatgatatt ttacttgtag 180  
 ccaacgatcg gggtttgcta cataaggtga aacaatttct ctctaagaat tttgacatga 240

aggatatggg tgatgcattt tatgtcatcg gcattaagat tcatagagat agatctcgag 300  
gtattttggg tctatcacan gaaacctata ttaacaaaat tctagagaga ttttggatga 360  
aagattgctc ac 372

<210> 10711  
<211> 384  
<212> DNA  
<213> Glycine max

<400> 10711  
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cctctatcat atctaataat ttccacattt atctctaatt gcccttttac ttcattgtag 120  
taaatttcta aagcatccat tgcctaagaa atctcgggca gtaagtagac ataactgtaa 180  
cgtgaataat catcaataat ggtgataaag tatcattcct ttccgaaaga actaacatca 240  
aaaggtccac aaatatcagt atgcacaatt tcaagaagct gagtgettct tgtagctcct 300  
ttctttgtat ggtttgtttg gtttcttta atacaacca cacaatatatt tagatcccgt 360  
aaatctagat aaggaagaaa ttca 384

<210> 10712  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10712

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ggtgggctca tggggccactt tgggtagaaa aagacccttg tcttactcaa agaaaagttt 120  
tattggcccc atatgaagaa agatgtccat aagcattgca ctaggtgtgt ggcttgttta 180  
caagccaagt ctagggtgat gcctcatggg ctgtacacac ccttaccat cccctctgca 240  
ccttgggtag acattagtat ggactttgtc tttgggcttc ctagaacca aagaggtgta 300  
gactctatct ttgtgttggg ggataggttt agcaagatgg cacactttat accatgccac 360  
aaggtggatg atgcttccca catctcanaa ctctttttta gggaagtgtg gagactccat 420  
ggtttgccta ggaccattgt atctgatag 449

<210> 10713  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<400> 10713

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 aacaggcaca atggaacatt gatcactaat ttttttcttt tccattaatg ctacaatcaa 180  
 cagtaactta tgcggcatat gacaaagaga tccataacctg aatggctaga aatgcagcca 240  
 tgcaaatgca gttccctatc aagcacagaa ctccaagatg aaaatgggtca aaccaaaggg 300  
 tctgttaacc accaattaat cattcacatg gctctggctg accttttagca cttatttcat 360  
 ttgtgttaca tgaatgaatt tagcatattc tatcaaagct 400

<210> 10714  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10714

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 tctttcttct tcataattga aattctgata ccaggggaca gatgtcgtac cggatgtcac 120  
 gacatcacgc ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtta 180  
 ataacaccag agaattgttt acccagttcg gtgcaacctc acctacatct gggggctacc 240  
 aagccaggga ggaaatccac tctcaatagt gttagttaa ggtetaacag cccctgttta 300  
 caaccttctc acctaacac taccctgctg atctctacct aagagccact cttagatatg 360  
 agaacctgct ctcactccct ctcactcaca c 391

<210> 10715  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 10715

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tcaaaaagtta ttgtcgtttg aatttgetca gagcttctgt tctaaatttt gagtgtctcg 120  
 atatgttacg tgactaaatc agacattcaa gtgaaaagtt atttcggttt aactttgcaa 180  
 cgagcttccg ttttactta cgagcgtctc aatttattac gggactaaat ctgacatccg 240  
 agtaaaaatt aattgtcgtt agaattttct taaagettca gttttcaatt ttgagcatct 300  
 cgatttatta cgggactcaa tcagacgtcc aagtaaaaag ttattgttgt ctgaatatgc 360  
 actgagattc tgttttcaat tctgagaatc tcgatattt acgagactca a 411

<210> 10716  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<400> 10716  
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 attgacaaca ttaaatcagc cgtggagaaa gtgtgtccag gagttgtttc ctgcgcagat 120  
 atccttgcca tcgctgccag agactctgtt cagattgtaa gtggtcaaac aaccaacaaa 180  
 aacacattaa actaaatcat taaattgtac atatcaaat taattaccaa tttagtacca 240  
 cacatgcaat taaagagaac attttgttga ttttgatcaa tatagcttgg aggccctaca 300  
 tggaatgtta aacttggaag aagagacgct agaactgcta gccaatctgc tgctaacaat 360

<210> 10717  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 10717  
 tatagaatat ataataaaa aacaatgaca attgaagagt ctatacatgc ttcctttgat 60  
 gagtctaatt ccattcttac aaggaaggat tttttagatg atatttcaga ttccttagaa 120  
 gatacacata ttcatggaaa tgactctaaa gaaaaagatg aaggaagcaa tgaggattct 180  
 caagataatg gggctagagc aaataatgaa cttccaagag aatggaaagc ctcaagagat 240  
 catccccctg acaacattat tggtgatata tctaaagggg taacaactag acattctctt 300  
 aaaggtttat gcaataatat ggcttttgta tctatgattg aacctaaaa tataaaagaa 360  
 gccatagtag atgataaatg gatcattgcc atgcaagaag aactgaatca atttgaagaa 420

acaagt

426

<210> 10718  
<211> 396  
<212> DNA  
<213> Glycine max

<400> 10718

tctgttttca attacgagcg tctcgatctt tacgagactc aatcggacat ccgagtcaaa 60  
agttattgtc gtttgacttt tctcagagct tccgttttca atttcgatcg tctcgatata 120  
ttacagggct caatcggaca tccgagtga aagttattgt cgtttgattt ttctcagagc 180  
ttccgttttc aattacgagc gtctcgatat cctacgggac acaatcggac atccgagtga 240  
aaagttatta tcgtttgaat ttgctcagag ctccagtttt aaattacgag cgtttcgata 300  
tattacggga ctcaatcggg catccgagtt aaaagttatt gtccgttgac tttctttaga 360  
gcttccgttt tcaatttcga gcgtctcgat atatta 396

<210> 10719  
<211> 343  
<212> DNA  
<213> Glycine max

<400> 10719

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atatatcgag acgctcgaag ttgaaaacgg aagctctaag aaaagttcaa caacaataac 120  
ttttaactcg aatgtccgat tgagtcccgat aatatatcga aacgctcgta atttataaca 180  
gaagctctga gcaaattcaa acgacaaaaa cttttaactc ggatgtccga ttgagtccta 240  
taatatattg agacgctcga aattgaaaaa ggaagctcta aaaaaagtca aacgacaata 300  
actgttgact cggatgttcg attgtgtccc cgttgatatt aag 343

<210> 10720  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 10720

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ggaatagaga aggaggaaag gtgattggag atgccacttc aaggagaaga tgagtcaaga 120  
acaagctcac taccatagga agccatggat aagagcttga aggtaggaga aaatgagtgg 180  
agggagagggc agagaggggg gaacaaaatt tatgcctcaa atgaggtcag aactttgaag 240  
tctaatttct caaatgatca aagttgaaaa aattcacaca caaggcctct atttatagcc 300  
taagtgtcac acaaaattgg agggaaattt gaatttctat tcaaatttat cttgaatttg 360  
aatttgaatt tttggaagcc aaattggagc caaaatttca ctaattatga ttagt 415

<210> 10721  
<211> 321  
<212> DNA  
<213> Glycine max

<400> 10721

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aaagttatag tagtttgaat ttgctcacgg ctcccgattt ccatttcgag cgtctcgata 120  
tattacggga ctcaatcgtg catccgaaga aaaagtattt gccgtttgaa tgtgctcaca 180  
gcttcggcat tccatttcga gcattctgat atattacggg actcaatcat acatccgagc 240  
aaaaagttat tgaaatttga atctgctcac ggccttggtt ttccatttcg agcgtctcga 300  
tgtattacgg gactccatca g 321

<210> 10722  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10722

tctatagaag gttcgttctt aattttctta caattgcac acctctcaat gagctggtga 60  
agaagaatgt ggcatttacc tngngtgaaa aacaagagca agcctttact ttgctcaaag 120  
aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttagactag 180  
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240  
cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300  
tgtacgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aagggaattg 360



tcattcatag tgatcatcaa tcaacttangt acatt

395

<210> 10723  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10723

cgcttatccc atgcaactaa tataatatga tagatttgac atatcaatat gataccaata 60  
aatatgcaaa ataacaatat gatagcaata catgatagat ctgacataat aatatgagtt 120  
tgtttagcaca aacacaggaa taaagagaat tctctcaaac aaaaagtaat tggtagcaaaa 180  
attctttatac atgtaacttc caaactaata aaggcttctc taatataata tgatagattt 240  
gacataacaa aatgatacca ataatctgc aaaacaacaa tacgatacan atacatgata 300  
gatttgacat aataatatga gtttggttagc acagacacag gaataaagaa gaattctcta 360  
aacaaaaggt gattggcact gaaattctta tacat 395

<210> 10724  
<211> 499  
<212> DNA  
<213> Glycine max

<400> 10724

ttgtatggta ggaggtgtag gacacctcta tgttggttag agcccaaaga aggccttacc 60  
ttagggccag aagtgttaca acaaaccacc gagaaagtca agttaatcca gaaaggatg 120  
aggaccgctc agagtaggca ggaaatttat catgataaga ggaggaaaga tctggaattc 180  
gaggttggtg atcatgtatt cttgagagtc actccgtgga ctgggggttg tctgagcattg 240  
aaatcccgaa aactcacacc ttgctttatt ggtcctttcc aaattcttaa gagagtgggc 300  
cctgtggcat accaaattgc attgccccg tctctttcta atcttcacaa tgtctttcat 360  
gtgtctcaat tccgtaagta tatccatgat ccatcccatg tgattgaatg ggatgatgta 420  
caagtgaagg agaatttgac atatgaaaca ttgcctttga ggatcgagga taggcgaaca 480  
aaacacctat gagggaaag 499

<210> 10725  
<211> 518

<212> DNA  
<213> Glycine max

<400> 10725

agcttgctag gcttcaggaa ttctgggtact ttctgtccag gaaagccttc aagatgcaac 60  
tttttcaatg ttggaggcaa atcactgtac ctgttttcag acactcccca tgatattttg 120  
agatgtttta gtgccgacaa ctctcccaag ctttcaaact ccccatcttt gataacagcc 180  
tcacttecta tatgtatgct gagtctcctt agttctttca aattctaaag atcagatatt 240  
ctgcaggagg tctttctaga agtacttatg acaaaccct tgagaacttg gagattttgt 300  
agcttttcaa tcccttttgg catgccctcc aaaaagtaac actgggatac aatgagatgt 360  
gtgagatgtt tcattgatga aatataatta ggcagtgtt ccaagttgtg gcaagctttg 420  
agatcaagaa ttctctatgct ctcaagtga gcaatggacg gtggaagctc agatattctt 480  
gatatccac gaaggctaag ataaaacaac gtcttttag 518

<210> 10726  
<211> 487  
<212> DNA  
<213> Glycine max

<400> 10726

tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60  
agcaagaaat gaagagccaa tgggtgatac atggacagag atgaaaaaga tcatgaggaa 120  
gcggtatgtg ccggtagtgt actcaaggga ctgaaattc aagctccaaa aactaaccca 180  
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240  
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300  
ccgcgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttt acaaagcaat 360  
ccaagtggag caacaattaa aaaggaaagg agtggcttac aggagtttta ccaacttttg 420  
ttcttctagt tggaaagaca aaggtaagaa agatgggggc tggtaactct agtagtttca 480  
cacctta 847

<210> 10727  
<211> 541  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 10727

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gagagcaaga aatgaagagc caatggttga tacatggacg gagatgaaaa agatcatgag 120  
gaagcggatg gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180  
ccaaggcaac aaggggggtg aggagtattt caaggaaatg gatgtgctca tgattcaagc 240  
aaatattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300  
tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gatgatttgc ttcacaaagc 360  
aatccaagtg gagcaacaat taaaaaggaa gggagtggct aagaggagtt ttaccaactt 420  
tgyttcttct agttggaaaag acaaaggtaa gaaagatggg gctgctactt ctagtagttc 480  
cacacctatc ccatcaaaaa ctcgcttaga gtccaagag gaacccttta aaaggggggg 540  
g 541

<210> 10728

<211> 307

<212> DNA

<213> Glycine max

<400> 10728

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acgagacgtc ttgccaaaaca aagtcaggtt aacgataact cgcttatgct ttttcttcca 120  
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccca 180  
aattatactg tgccagttgg agatgtattt tccccctgct ttttttgaca tcatgattca 240  
cttgattgtg catctgatca gagaaatcaa atgtttgtgg tctgttttat ctaccgtgga 300  
tgtacct 307

<210> 10729

<211> 524

<212> DNA

<213> Glycine max

<400> 10729

aagcttctgg tgggacagtc tagacttgcg ttttctatct gacattcacc acagattctg 60

ccttcttcta ttttcagatt gggaatgcct ctaacagcac ttttgtcaag gattttcttc 120  
 atgcctctta agtgcagatg tccaaacctt tgatgccata ttctgacttc atcttctatg 180  
 gtggatagac atgtggagga gtagctggtt tcttgggggtg tccataggta acaattgtcc 240  
 tttgatctgc tgccttcat tagaacttca ctcttttcat ttgtcaccac gcattctgac 300  
 tttgtgaaga ttacattgaa accttcatac acagctgact gaagctatat atgtttgcag 360  
 tctgttccct ttaccagcac tactttgttc ataactatgaa gtccatcttc aactagcttt 420  
 tccattccaa tgaacttttt ctttatagcc atctccaaat gtcacattac tagtgtgacc 480  
 gggctcaatg tttataaagg aatcttttga ctccctgtct gtgt 524

<210> 10730  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 10730

agcttgaagg taaactagag gccacgggtt atctggtgag ccaactggcc atgaacaaca 60  
 aatctgcacc tgacgccaca ctctgcggtat tatgcccttc tgccaaccac cacacagatc 120  
 tttgccatt tgggcaacaa tctgaaacaa ttgaacagcc tgaagcttat gctgcaacaa 180  
 tctaaaacaa acctctcaa cctcagcaac caaatcagcc acaacacaaac aataatgacc 240  
 tctccagcag cagggacaat cccgggggga ggaatcatcc caaccttaaa agggcaaatc 300  
 cttcacaaca acagcgacaa caacaaccac aacaccaacc ctattttcag aatgttgctg 360  
 gcgcccagca gaccatacga tctccacca aaccagcaac aacaacaacc acagcctcaa 420  
 aaacagcaaa cagctgagag ctcc 444

<210> 10731  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<400> 10731

ttcaaaaaac gtcgatgcca agtgtatact tttttcttc catgttttag ttgtacatag 60  
 cttgtgtctt cttcatagat agggcatgca caatggcctt taacctgta tccactcaaa 120  
 ttctcacatg ctggaaagac attaatggtg caaaataaca ttgcacacaa ctggaatgtc 180

acattttaat acccatcaaa cacagcaacc cctcgtccc ac~~act~~gtt caagtcttta 240  
atcaagggac tgagataaaa atcaatgaca tttctgtgtt gtcttgggcc cgatatcatc 300  
atagacaaca taatgtattt ttgttctatg cacaacaaaa gaggtaagtt gtaaattact 360  
aacaacaaaa gccccaaact gtgatgagtg tttaaactcc cataccgatt ctttcca 417

<210> 10732  
<211> 406  
<212> DNA  
<213> Glycine max

<400> 10732  
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aaagttactg tcatttgaat ttactcagag ctctcgataat caatttcgag cctctcgata 120  
tattacagga ctccatcaga cacccaagta aaaaagttat tgcgttttga atttgcctag 180  
agcttcagta ttcaatttcg agcgtctcga catattacgg gactcaatca aacatccaat 240  
taaaaagtaa tggtcattgg aattggctaa aaccttgggc cttaaatcc aagcgtttca 300  
ataattaacg gaattaatcc taccatccga gtaaaaactt atttctgttt gaatttgttc 360  
aaagcttcgg tttttatttc caaagagttg gatattattat ggggct 406

<210> 10733  
<211> 525  
<212> DNA  
<213> Glycine max

<400> 10733  
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actaagctca cctccttgag aagcttcctt aagaagattc ataaacaagt tagagcttag 120  
ctacacatac ctgtctaata gctaagctca cctccttgag atgagaagct agagcttagc 180  
tacacacccc ctataatagc taagctcacc cccatgacaa aaacatgaa aatacaaaaa 240  
aaaagtcctt actacaaaga ctactcaaaa tgccccaaaa tacaaggcta aacattata 300  
ctactagaat ggccaaaata caaggcccag aggaaggaaa aacctattct aatatttaca 360  
aagataagcg ggctcatact tagcccatgg gctcgaaatc taccctaagg ctcatgagaa 420  
cctaggacc ttcccttgga tctctagccc aatcgacttg gagtcttcta cccaatgcc 480

ttgcggggta ggattgcac aaataggtaa aaagcgttgg gtctt

525

<210> 10734  
<211> 260  
<212> DNA  
<213> Glycine max

<400> 10734

tcttacaag catacggctt tctggatgta gatgatgtat atctatacag atggatctta 60  
tatatctata tatctataga tagatatata gatatagata tatagatata gatcatacaa 120  
tgaagtaccg cacgagtggg tatataggaa tccaaatctg ccgaatcact catgttatga 180  
tcttctacat cctaagtctt tccgttctt catctggctt atgttcttca tggagcattc 240  
aaacggaatg actctatgaa 260

<210> 10735  
<211> 499  
<212> DNA  
<213> Glycine max

<400> 10735

agcttcaaga gtatttaatt ataagatttt gatcaataat ttcatttttt atttcactgg 60  
taagtaattt catagtgtat taaaaacatt aagatttcat aaagtatact aaattaaata 120  
ttgaataata taagtttgtt acgtctaaaa ccttagagtt gttgtcacgg ctttgcactt 180  
aaaaaagata aagataatgg atgcaagtaa ggagatatag gtaccaaca agtaaagaaa 240  
tggaattgg agttattacg tgcaaaaatt actggtcgga tagttatttt ttctttccaa 300  
atgcgagtac aaaaataaat actatggtac tttattcaaa ctttttcat gttctatcca 360  
gcttatttta ggaattacaa atttgtgatc aattataaat agaagatcaa tgtgaaccag 420  
acagaaataa atagaacac atgaaaaaaa tcgaaatcta tagaggatca atattttaga 480  
gtaattttga ttactagat 499

<210> 10736  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 10736

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cagtgtgaaa aatttagcga gggaggttat gattcatctt acagctttca cagtgaagaa 180  
ttacttccca tgggtgggtt ggattgatgt tcttactgga aaaattcaga aatacaaggc 240  
ccctgcttga gcaatggatg ctttgtttga tacggcaatt gcagaacatt tggcttgaaa 300  
aaaggaaagg tcaacac 317

<210> 10737  
<211> 455  
<212> DNA  
<213> Glycine max

<400> 10737  
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tgaaaaataa acgtattcgt tcggcaacaa atctattaca agatcaattt ggattggccc 180  
tggttcgttt agaaaatatg gttagaggaa ctatatgtgg agcaattaga cataaattga 240  
taccgactcc tcagaatttg gtgactacaa ctccattaac aactacttat gaatcttttt 300  
ttggaatata tccattatct caagtttttg atcaaaactaa tccattgacc caaatagttc 360  
aatgggagaa aattgagtta ttcgggcccc ggaggaatga ccgggcgaac cgctagtttc 420  
tggatacgaa atatccaccc taatcactat ggacg 455

<210> 10738  
<211> 519  
<212> DNA  
<213> Glycine max

<400> 10738  
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ataagttgaa ttagttaagg gtaagaccac ttaacttttc actaaaataa gcaattggat 180  
ggccttcttg catcaacaca gcccacatcc caacatttga agcatcacac tccatttcaa 240  
aagaattttt gaaagtttgg caacgcaagt atgggggcat taattagctt ttgcttaaaa 300

acattgaaag cttcttcttg tttctctccc catttgaaac ccacattttt cttgagcact 360  
 tcattgagag gtgctgccaa tgtgcttaaa accctcacaa aatctttata aaaactttct 420  
 taaccatgaa aaactttctca cctctgggtca cagacttttag gtgtaagcca ttttttgaat 480  
 aagcccctaa ctttcttctt attaaacttg cacttcctt 519

<210> 10739  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<400> 10739  
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 tgatgaaaaa aagctcaaag gtcaatcaaa gaatgagttc aagattcaag actcaagatt 120  
 caagaatcaa gagaagactt aatcaagata agtatgaaaa gggttttttca aaaactaagt 180  
 agcacatgga ttttttctca aaacatgttt accaaagagt ttttactctc tggtaatcga 240  
 ttaccagatt gttgtaatcg attaccagta gcaaaatcaa ttgaaaaaag ttttcaaatg 300  
 aatttacaac gttccaattg atttcaaaaa agttgtaatc gattacaatg ttttggtaat 360  
 cgattaccag tgtctttgaa cggttgaaatt caaattcaaa tgtgaagagt cacatccttt 420  
 cacataaaaag ctttgtgtaa tcgattacac tgatttggtg atcgattacc aatgattgct 480  
 tctgaataaa tc 492

<210> 10740  
 <211> 509  
 <212> DNA  
 <213> Glycine max

<400> 10740  
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 acggaactct ggcacaagag acttggccat tgccatcttg aaagaatgct aaacatgaaa 120  
 aaaaaggaaa tatgcgaaag aaaatttgaa gaagtttcaa atggaggaat gcaaatctat 180  
 tatcacacca atgaatcata aggagaagtt taccaaggaa gaaggtgttt ataacattga 240  
 tgaggatatt atgggagctc gattggatgt ctaatgtatc tcactacaac aaggccaaac 300  
 attctatctt ctcaaaagaa caaaactaga atttttgttg acaatcaagt agccattgct 360



attgcaaaca atcccggtgtg tcatgggaag actaaacatt tcaatatcac ggtctattat 420  
 ttgataaaaa tgcaacaaaagg tggagaaggg aacttaattt actgcaagtc taaagatcaa 480  
 ctgggtgact tgtttacaaa gtcactacc 509

<210> 10741  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<400> 10741

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 tcaatgtcga gcatctcgac atattatgcg ctggaatcga acatccgagt gaaaagatat 120  
 gaccatttga gtttctcgag agcttcgggg gttcaattcc gagcctttcg acatattatg 180  
 tgcccgaaac tgacctctgt gtgaaaagtt atgaccattt gaatttctcg agagcttccg 240  
 atgggttaatt tcgagcgtct caatatatt 269

<210> 10742  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 10742

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 tacgaaacat ttgcccacac aaagtcaggg tagcgataac tcgctgtgac tttttcttcc 120  
 atgctatatg tagcaaagtc attgatcctg tcaagtttga tgagttggaa aatgaagccg 180  
 caattatact gggccagttg gatatgtatt ttccccctgc tttctttgac atcatgatcc 240  
 acctgattgt gcctctggtc agagaaatca aatgttgtgg gcctgtttat ctacggggga 300  
 tgtaccgggt tgagcgatac ataaagattt taaaagggta taccaagaat ctatatcatt 360  
 cagaaacttt tattgttgag aggtacattt g 391

<210> 10743  
 <211> 497  
 <212> DNA  
 <213> Glycine max

<400> 10743

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 taaatatatt catcaggaaa acatcatagt ggaaggaaac tgcagtgttg taatctagaa 120  
 gatccttcca ctcaagcata aagatcctgg gagtgttaact attccttgtt caattggaga 180  
 agttaatgtg ggaaaaatctc ttattgacct cggagccagt atcaatttga tgccactctc 240  
 catgtgcaga agattgggag agttggaaat aatgcccact cgaatgactt tacaattagc 300  
 tgaccgctcc attaccaggc catatggagt aattgaagat gttttgggtc gagtaaaaca 360  
 ttttatcttc ccggtagact ttatggtaat ggatatctct aaagatactg acatccctgt 420  
 aatattggga aggccattca tgttgaccgc aagttgcata ttgatatgg gaaaaaagaa 480  
 gctggatgta tgttttg 497

<210> 10744  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<400> 10744  
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 gatgggtgcct cctctcacct cttttccttt ttcttccgct gcatcccat ggtggaaaat 120  
 caccattaaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc cccacaagca 180  
 agcttccatc agaatgttcg aatgcggccc ataataaatt gaaacactca aaattgaaca 240  
 cgaatgctcc aagaaaatcc aaatggccat gacttctaac ttcttatccg attgcaaccc 300  
 ataatatatt tagacgctca aaattgaaca tgaaagggtc gagcaaattc aaatgaccat 360  
 aactcttact ttcg 374

<210> 10745  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 10745  
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 ttcttcttca ctagctcatt aagaggttat gcaattgtag agaaattatg aacgaacctt 120  
 ctatataagc ttgctaacct atggaggctc ctaatatctc ccacactttt tggggtgggc 180

cattcttggg tggccttgat tttctcagga tccacttggg ccccatctct accaactaca 240  
aaccctaaga aaactatatt atctacacaa aaagtacatt tctctatata tgcatagagg 300  
gtgtttttcc taaggactga aagaactttc ctgagatgtc cctagtgtac atctaagctc 360  
ctactggaca ctaaaatata atcaaaataa aacactacga atctacctat gaaatccctt 420  
agacatgatg cataaccccc ataa 444

<210> 10746  
<211> 508  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 10746

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taattctatt catcaggaaa acatcatagt ggaaggaaac tgcagtgttg taatctacaa 120  
gatccttcca ctcaagcata aagatcctgg gagtgtaact attccttggt caattggaga 180  
agttaatgtg ggaaaatctc ttattgacct cggagccagt atcaatttga tgccactctc 240  
catgtgcaga agattgggag agttggaaat aatgccact cgaatgactt tacaattagc 300  
tgaccgtccc attaccaggc catatggagn nattgaagat gttttgttca gagtaaaaca 360  
ttgtatcttc ccggtagact ttatgggaat ggatatctct aaagataccg acatccctgt 420  
aatattggga aggccattca ttgtgaccgc aaggtgcata attgatatgg ggaaaaagaa 480  
actggatgtc tgttttgaag aataaaaa 508

<210> 10747  
<211> 379  
<212> DNA  
<213> Glycine max  
<400> 10747

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ctgaaagggtt aagaccattc gaatttctcg agagcttccg ttgttcaatt ttgagcgtct 120  
cgatatatta tgtccccaat tcggacatcc gtgtgaaaag gtatgaccat tcgaatttct 180  
cgaaagcttc atctgttcaa ttttgagcat ctcgatatat tatgtccatg aatcgggctt 240  
ccgtgtgaaa agtcttgacc attcgagtga aaagttatga ccatgggaat ttctcgagag 300

ctttcattgt tcaatttcca accgtttgat ttattattgt tcttgaatag gcattctacg 360

cgaaatgtta ttaccattt 379

<210> 10748  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 10748

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ggatagccat gattttctag ggcccacttg gacccattt ctaccaacta cacacaccta 120

agaaaaatat ataattcaca cagaagggtc atttctctat attagcaaac aggggtgtgtt 180

ttctaggac tgaaagaact tgtctgagaa tgcctaagtg atcatctagg ctctactat 240

acactaaaa atcatcaaaa ttaacagact acaaatctac ctatgacatc ccttatgaca 300

tgatgcatac gcttcataaa cgtgcttggg gcattagtga gccc aaaagg catcactagc 360

cattcttaca aaccaaactt ggtcttgaca gcattttttc actcatcaac ctgtttcacc 420

ctgagttggg cgataaccac ttttaagaac agatttttga aaagaaattg 470

<210> 10749  
<211> 487  
<212> DNA  
<213> Glycine max

<400> 10749

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aacatgaaca aaggtttcag agaaattctat aactttttgt tgattatatt ctaagctac 120

taacctagct ttgttgcata ctacttttcc ttgttcattc aacttgtttc tgaagattca 180

tcttgttcca atgggtctct tgttttctgg cattggaaca aatgtccaga catcattttt 240

gttaaaactga ttcagttttt ctccattgt gattatttag tcattttcta tcaaagcttt 300

gtctatagtt ttaggtttga tttcaaacac atgggtcttg aatgatgac taaatttaac 360

tccttcagtc taattcaga tgatatgac ttatggatga aatgaaccaa attccaaacc 420

ttcatttgaa gtggttgac tgatgattct taaatcaaaa tgaaatattc ttcagactat 480

ttgactt 487

<210> 10750  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<400> 10750

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 taaaaaggga aaaggtaata ttgtagecga tgctctttct cggcgcatg cattactttc 120  
 tatgcttgaa acaaaattga ttggcttga atgtttgaaa agcatgtatg aaaatgatga 180  
 aacttttga gaaattttta aaaattgtga aaatttttca gaaaatgggt tcttttagaca 240  
 tgaagggttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaaaatt 300  
 gcttgttgt gaagcacatg aaagagggtt aatggggcat tttgggggcc aaaaaactct 360  
 agaaacatta caagaacatt ttatttggcc tcatatgaaa aaaaaagtgc aaaaaatttg 420  
 tgaacattgc attggatgta aaaag 445

<210> 10751  
 <211> 510  
 <212> DNA  
 <213> Glycine max

<400> 10751

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 tccttcttga acaaaatttc gagagaggac aagttgataa aatgttttcc attaagaagt 120  
 cctctcataa cactctactc atgcaagttt atgtggatga cataattttt ggttgcaacta 180  
 acaaattctt ttgtcaagat tttgtgcaca agatataagg agagtttgaa atctcaatga 240  
 tgggaaagct aaattacttt cttggtcttt aagtgaaca aatggaccgt ggaacatttc 300  
 tccatcaagc aaatactgca agtaacctct caagaagttt gagatggaaa aaaaaagca 360  
 aggaggctgc aactcctatg gttactagtt gttaccttag tgtggatgaa aaaggaaagc 420  
 caatcaatca aataaggtat agaggatca ttggctccct actttactta actgcaagta 480  
 gtttgacat catgtttaat gtttgcattg 510

<210> 10752  
 <211> 435

<212> DNA  
<213> Glycine max

<400> 10752

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tcacgatcgc gtaaaggaaa ttgtaaccgt gtttggcaag tcccagaaga agacatcac 120  
tcccaacaac atgtggaaga aatgctcaat atttttgac tccatactg gtctgatcta 180  
tatgtgcact gtctagatgt tatgcatgtg gagaaaaatg tgtgtgatag ttttaattggt 240  
actcttctta acattaaagg gaagacaaag gatggtttga aatttcgtca agacttggtt 300  
gacatgggaa tacgagagca gttgcatccc atatcacaag gtcggcgaac atatttaccc 360  
ccagcatgcc acacactgtc aacaacagag aagataagtt tttgtccatg tctgtggaat 420  
ctcaaagttc caca 435

<210> 10753  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10753

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aggtttagca taactcgctt gagctcttcc gtccatgcta tatgtagaca gtcattggtc 120  
cagtcgtggt tgatgaaatg gaaaatgagg ccgcaattat acaaagccag ctggagatgt 180  
attctcccc tactttcttt gacatcatga ttcacttgat tgtgcatctg gtcagagaaa 240  
tcaaatgttg tggctctggt tatctacgat ggatgtacnc cggtgatcga tacaataaga 300  
tcttaaaagg gtatacaaa aatctatatc gtccagaagc atctattggt gagaggta 360  
ttgcagaaga angccatgga attgttcat aatacttaga gaaggctaaa catgt 415

<210> 10754  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10754

agcttgtctc tcaacactac anagctattc acctttaa atctttgtaa aatattctgcc 60

agctgcattt cagtgcgtgca atacctcaaa tccagctgct tcttgctcac cttttccctc 120  
 agaaaatgaa atctagtctc aatatgtttt gatcttccat gtgctactgg attcatggcc 180  
 aaactgatag tagatttgtt gtctacatac aatctaactg gcctctgaat ntccaccttc 240  
 aattcttcaa gcaaggagtc caaccacaag gcttgacatg cagcatagca agctgctatg 300  
 tactctgect cacatgagga taaagccacc acttgctgtt tctttgaaca ccagcttatt 360  
 gatgtacca gaaac 375

<210> 10755  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<400> 10755  
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 atgaactcag tggcaatctc tttggacagt agcttctctc gaataaagt acagtcaatc 120  
 tctatgtgct tggctctctc atggaagact gggtttgaag caatgtgaag agcagcctga 180  
 ttatcacaat ataacttcat ttgcaccact ttgcagaatt tcaactcttc cagaatttgt 240  
 ttaaccacaa taagttcaca tgtaaccata gccatagatc tgtatacagc ctgtgctcta 300  
 gatctagcaa caa 313

<210> 10756  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<400> 10756  
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 gggcacattt ttgtgggtag accatggcta ttgacaaga aaagtatcca ccatggcttc 120  
 cccatgaaat acccttacc atggaagcaa aaagttctac cttgttccct tgacaccttc 180  
 acaagtggct agggatcaag tacaataaaa actcatatag gatgaggtat agaatagaat 240  
 aaaaaagaag acctactcta tggagaggag gagtgt 276

<210> 10757  
 <211> 367

<212> DNA  
<213> Glycine max

<400> 10757

agcttggttg cagacatagc ctttttggtg tttatgccac caccggagac atcatcgga 60  
gcggcagcgg tagcggagag caccatatcc ggggtgatgg agccatccat ggagagcgtg 120  
tgttggtgtc caaccctagt aggcctttca ttattattat tattattctt attattatta 180  
ttattattat tattagcaat gctgttgtgt tgaggtggag gaggaagagg aagtggagag 240  
gaatcgagtt gatcgaattg aaggtagatg gaaagcaagt cgttgtcadc ggggagatca 300  
acgtcgaatg tgaggtcggc tggttaagggtt ataatctccg aatgggcgag cctgtgcctt 360  
ctgttctt 367

<210> 10758  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10758

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aaatgttcta cacttgaggt gatcacatgc cagccttttg aacctttacc acgcactcta 120  
tcacatgcc gagactcagg aagaccaaca ggtttagtct tctctaagta ttctgaacaa 180  
aattcaatgg cttcttctgt aatgtacctc tcaacaatag atgcttcttg acgatataga 240  
ttctntgtgt acccttttaa gatcttcatg tategctcaa tcgggtacat ccaccgtaga 300  
taaataagac cacaacattt gttttctctg accagatgca caatcaagtg aatcatgatg 360  
tcacagaaag cagggggata atacatcta 389

<210> 10759  
<211> 426  
<212> DNA  
<213> Glycine max

<400> 10759

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aactattacg acctctccag caacagatac aacctggat ggaggaaatca cctaattctc 120



agatgggtcta gccctcagca acaacaatag aagcctgctc cttccttcca aaatgctgct 180  
 ggcccaagca gaccatacat tctccacca atccaacaac aacaatagcc ctagaacag 240  
 ccaacagttg aaggctctcc acaaccttcc ctgaagaac ttgtgaggca aatgactatg 300  
 cagaacacgc agtttaacca agagaccata gcctccattc agagcttaac caatcagatg 360  
 ggaacaatgg ctacacaatt gaatcaataa cagtcaccaga attctgacaa gctgccttcc 420  
 caagct 426

<210> 10760  
 <211> 414  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10760

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 ttgtgggtca ttccatacat cttcatggaa tggtcacaa tattttatat cattcataga 120  
 cgattactcc aaatatgcat actntatttc ttatacatga aaagtcacaa tctttggatg 180  
 tgttcaaaac atttaaagtt gaagttgaaa atcaactcaa caaaagaatc aagagtgtta 240  
 gatctgaccg tgggtggtgaa tactatgggt gatatgatgg ttcanvgtaa caacgtccgg 300  
 ngccttttgc caagtaccta gaggaatgtg gaatcgtecc acagtacacc atgtcagggt 360  
 cacctagcat gaatgatgtg gctaaatgac gaaacaaaac tcttaaggat atgg 414

<210> 10761  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <400> 10761

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 aagaaccatc agatgaaact cccaacagtt gtgcacacta taaaagccat attgggctat 120  
 gtccattctg attactaggg gccttcgaga gttccatcac taggcagagc aaggcacttc 180  
 ttctccagca acgatggtta ctccaggatg acatgtgtat ttacgataaa acaaaaatct 240  
 gaagctttca aatgttttaa gcattggacg attgttatga agaatcaaac aggaatgaca 300  
 atgaagtttc ttaggatgga caatggcttg gaattttgtt ctacaaaaat caatgagtta 360

tgtaaagatg aaggcatggc aagataatgt atcgataact atactccaca 410

<210> 10762  
<211> 311  
<212> DNA  
<213> Glycine max

<400> 10762  
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aacattagat gtaataacat tattaatatg tttaattctt attacatatt ttgaaattg 180  
tggataattt atctattaca aattatttat agtgtaagta aaagattaaa ttatttaggt 240  
acaataattg aattttattt aactagtaaa atgtctaatt acgtgttagt tatagttttc 300  
tatgtttttt t 311

<210> 10763  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10763  
acttagttaa aatatctgtt ggctgggtcan ttataatgat gaactcagtg ataatctcct 60  
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ggaagactga atttgaggca atgtgaagag ctgctgatt atcacagtac aacttcattt 180  
gcaccacctc acaaaatctc aactcttgga gaaagtgttt aatccacata agttcgcagt 240  
taaccatagc catagatcga tattcagcct ctgcactgga tcgagcaaca acggtttggt 300  
tcttgcctct cctatagata acatttcccc caataaaaat acaatatcct gaggtagatc 360  
tctgtcttat gggacaagca gcccaatctg catcacaata tccagagac 409

<210> 10764  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10764

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 atatcgtttg acaatatcaa cgttcatggg tgaagtcaac tcttcatcat ccatgctggc 180  
 aagcaccagt gtcctcctg agaatgcttt ctttacgatg aaaggccctt tatagttnng 240  
 agcccacttt cccctattgt ccttttaggg ttgggatact ttcttcagaa cgaggctccc 300  
 ctagttgaat ttgcataggg ataccttctt gttgaaagca ttcttcaccc atctctggta 360  
 cagatgcccg tggctcatag ccgccagacg cttgccttct ataagattga gctgattaaa 420  
 gcgtgcttgg gctcactctg attcttccaa cccggactct tgcagaate 469

<210> 10765  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10765

agcttggtta ccccatgttt gagttgctta caatagagtt gttcatagca ccactaatta 60  
 ttctcctttt gaagttattt atggttntaa cccactaact cctcttgatc ttttgctat 120  
 gcataatggt tctgttttta aggataaaga tggtaagca aaggcagact atgtgaagaa 180  
 gcttcatgag agagtcaaaa atcaaattta gaggagaaat aaaagttatg ctaaacaaagc 240  
 caacaaaggg agaaagaagg ttgtcttcta acctggagat tgagtttggg tgcacatgag 300  
 aaaagaaagg tttccagaac aaaagatata aaagcttcaa ccaaggggag atggaccatn 360  
 tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctctccg gtgagtataa 420  
 tggttag 466

<210> 10766  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10766

agctttctca agctggattc tagattgtag catagctgca ttaagaaata gtaataaata 60  
 agcaacattt agtattgttc ccatggttcc agtaggcagc ctatatatga tattatatca 120

aattataacct ctteccaagc ggaattttct agacggagat atatagttaa tatgatacag 180  
 cctggcctta tatagctctc tatctctgtg ggactgtggg ataaccagtt aaggatctgg 240  
 taatcaaaga aaaacataaa taaaacacca ttcaaaaaac agtgtagtga aatagtttat 300  
 agcaatttca aggcagcaat gaagtacctg tgateggaga gcatggngga aatcatttgg 360  
 agccttgcca aatagtttga aaacaattcg atctgtacga ctctgtaaac agaaagc 417

<210> 10767  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<400> 10767

taagtctacc tgcggcatgc aagcttctat ttaattacg agcgtctcga tatattacgg 60  
 gactcaatcg gacatccgag taaaagttta ttgtcgtttg aatttgctta gtgcttctgt 120  
 ttcaatttc gtgcgtctcg atatactacg ggacacaatc ggacaccga gttaaaagtt 180  
 attgtcgttt gaatttgctc agagcttcta ttttaaatta cgagcgtctc gatataattac 240  
 gggactcaat cggacaaccg agtaaaaagt tattgtcgtt tgaatttgct tagagcttct 300  
 gttttcaatt tctgcgtctc cgatatacta cgggacacaa tcggacaccc gagttaaag 360  
 ttattggctg ttgaatttgc tcagagcttc tgttttcaat tacgagcgtc tcgatatatt 420  
 acgggactca atcggaca 438

<210> 10768  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 10768

tcaaccttgt tgggatgggt ggtgctgctt gttttacagc tattgatctt gcgagagacc 60  
 ttctggatgc ttatccaaga acttatgcac ttggagttag cacagaagca tgtagctcaa 120  
 catggtacag tggccatgat aatggcatgc tgcctcccaa tggcttgctc agaatgggag 180  
 ctgaaccat catgctctga aactttcacc tatatagatg gtgcgccaag tatgaactca 240  
 aacacgcatt tctcgatcga atttgactcc tctaaagtga aatgagaaaag caattatatg 300  
 tggactgtac ttctactcc aatttaaagg aaaaaaactt atcagcagtt ctttgtgttg 360

gtattctcta attagaagag gagtgttate ttactaatct at

402

<210> 10769  
<211> 397  
<212> DNA  
<213> Glycine max

<400> 10769

gcttagctct agaggggatg gaccttttat tgtttgaga ggatcaataa caatgcctat 60  
aggttggaac tcccagaaga gtttggaagc agcaccactt ttaacatttc tgatttaatt 120  
ccttttgtag gtggagctga tattgaggag gaggaactaa cagatttgat gtaaaatcct 180  
tttcagggga aggggataat gcaatgctcc ctaggaaagg accagtcact agagccatga 240  
gcaagaggct ccaagaggat tgggctagag ctgctgaaga aggccctagg gttgtcatga 300  
acctcagggt agattttctga gcccatgggc caagtttggg tccaattctc ttgtacata 360  
ttagactagg atgtcattat atttgatcat tgtattt 397

<210> 10770  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10770

agcttgccac cacggagttt tccgactatg ctcttggtg gtggaacaag ctacaaaagg 60  
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120  
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180  
cccaaggcaa caagggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240  
caaattatga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300  
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaa 360  
caatccaagt ggagcaacaa ttaaa 385

<210> 10771  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 10771  
aatacaagat tatttcaacc aacaaagtct tgattcaaga tttcttcatg atcaagcctt 60  
gccgcaaaat gaaaagaatt caagtcaccc aaagcacatg taatcgatta ccaatacatg 120  
taatcgatta ccaaagagga ttttcaagga atatcgccaa cagtcacatc ttatcattcg 180  
gattttaatg gccatcaaaag gcctatatat atgtgtgact tgggacgaaa ttacagagag 240  
tttgcttggc aaaatgttta tctctctca aagaaatgaa gagattc 287

<210> 10772  
<211> 395  
<212> DNA  
<213> Glycine max

<400> 10772  
agtctcatga ttgtctctgt gctcatgcaa caattgttag ctgtggctat acgagacatc 60  
ttgccaaaca aagtcaggtt agcgataact cgcctgtgct ttttcttcca tgctatatgt 120  
agcaaagtca ttgatccagt catgtttgat gacttggaaa atgaggccgc aattatactg 180  
tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca cttgattgtg 240  
catctagtca gagaatcaa atgtttgtgt cctgtttatc tacggtggat gtacccggtt 300  
gagcgatata tgaagatctt aaaagggtat acaaagaatc tatatcgctc agaagcatct 360  
attgttgaga ggtacattgc agaagaagcc attga 395

<210> 10773  
<211> 474  
<212> DNA  
<213> Glycine max

<400> 10773  
tatacaagaa tgaagctccg ataccactag ttaaactatg ggccttagat atcttaagaa 60  
tatgggggttg aattaagata tcaaagacta ctccccctatt aaaattgtaa ctatctatct 120  
gaattattaa tgcaccctta atttgaatta ctaaaaagac aattcaaagt aaacttcttt 180  
aatgcaaaaag ataaataaca ataaatgaaa gaagttaa ggaagagaga atgcaaacct 240  
agttcttata ctagtctggc cagccctgt gcctacgtcc agtctccgag caaccgctt 300  
gagatctcca ctatcttata aaatgtcttt taaaaagtct gaaccacaca ggaataaccc 360

ttcccttgag tatagaattc cttagaactt aagagatcct cggtcctta atcaatctct 420  
tgaatatgaa gaagaagaag aagaagaatt ctctccttaa gagaaagata ttac 474

<210> 10774  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10774

ttcagtactc ctaacattca gaaagagaaa caatccttca ctgttccaaa cttataaatt 60  
ataatatatta gctaacttat aagataatth taccaataca tcttagatta ttgttctta 120  
atttttatta aacataagag aacctatata tatattgtca aaaagactac atatatngac 180  
aaaaaatgcc caatatatat gactntttatc taaaataata ataataatac tgtttcttta 240  
aaattcactt taaatctcat atatttatcc cacaattaga tttcttcaaa tctgatggaa 300  
cttttgtaa acacagttgt tggtttggtt gtctcttaaa agatgaaaat gtagatataa 360  
tatttaggta atgaacata gctacaactc actgtatctt tattataaat aaaagcaaaa 420  
gttgagagta agaatagtgg gtctaaaa 448

<210> 10775  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 10775

cagcataacc atgtatgtca agccttacat ggttgtagtt cagagtaaca atgtgtctgc 60  
tgaccaaata ggccttgcat aaaaggtag ctgcatttat tcttcatggt ggctattttt 120  
cagttcaatt ataggaaacc agtggattat tattatctgg aatgtagatt gaaaagcatg 180  
agcttctaag ataagacgtg ttactacttt atatta 216

<210> 10776  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10776

ctaagcttcc aagttttaag ttcttctca taactgtcct aagcaaagtt ctcaaagtc 60  
 tattaacaac ttccgtttgc ccacatcggtt gtgggtgaca agtgggtgaa aataacaatt 120  
 tagtgcccaa cttgctccac aaagtctctc aaaaatgact taggaactta gagtcctat 180  
 cactaataat gtcctttggc aaaccatgga gtctcacaat ctccctgaaa aacaaattag 240  
 ctacatggga agcattatca actnttttac atggaataaa atgagccatt ttagaaaaac 300  
 tatcaacaac cacaaaaatg gaatctctac cattgcttng ttttggcagc cccaaaaaca 360  
 aatccatgga taaatcaatc caaggatact ccggaattgc aatggagtat acaatccatg 420  
 aggttntacc ttannacttg ccttnttaca tacaatgcaa tgttcacaaa 470

<210> 10777  
 <211> 306  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10777

caatttagca acttccgaat atatatgaat tggcaagttt aagagactca tatttacaag 60  
 gatgaaaatt gatgtgcaag cttcttggtt aacattgcat gtgatttggg ccgcgttcag 120  
 tgtaacattg catgttacgt taaataaata taacaaattc atttgataat aaattaaatt 180  
 ttagatatat gatgagactt ttatgattaa atatataaaa atcaataact ttattaatta 240  
 aaataatggt ttgaaagaaa atacaaatga tctcttatnt attcattaga tacgaaataa 300  
 aataga 306

<210> 10778  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
 <400> 10778

gctccttctt ccatggctta ttccctagtg aatggtgcct cctctcacct cttctcctt 60  
 gtcttccgct gcattcccat ggtggagaac cacaattaa ggatctcatt gaagctcaaa 120  
 gattcggcct ccatagaagc tccacaagca agcttcata aaaaaggcaa gctatctatg 180  
 cggtttgaca atggaaggta aaggaaataa gctatgaaag taagcaagaa atgtaaaact 240  
 tgcgaaatcct aaaagtattt ggatgaccac atttaagggt cccaacaaaa cactcacaat 300



cctaagggaa aattacctaa aattattaca tataaatgga agtaggatga cctattggag 360  
 gctcccaact tacttccaat gaaagacett ttgtttacaa aattgaatgc aatgaaagta 420  
 agttaattct caatta 436

<210> 10779  
 <211> 319  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10779

cacactaata tataccttat aatcaatcaa ggaaacacat ngacttcacc aacttgggtct 60  
 aagagaaaac aaaatatcac attttattct ccttatatta attttctcta gcattcaagc 120  
 aggatggatg aaatggagaa aagcatctgg ggtgttatgt gatgcaaagg taccgatcaa 180  
 gcataaggga aagattttatc ggactgcggt aagaccgcg attatgtacg gaacagaatg 240  
 ttgtgcggtc acaagccaac atgagaataa agtacgtgta gcggagatga ggatgttgct 300  
 gtggatgtgt ggaaagact 319

<210> 10780  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10780

ttaaaaatta ttcaaatagt gaatattatt taatgggtatt tgtaacatat tatttatcta 60  
 taaaacaaat tctaacatat agtatgtgaa tgggtataa gacgtttaat aagagataag 120  
 aaataaaaag tattaattca tattactaag aataaatttt aattaaaatt aatgctaaca 180  
 ataaagatga aataaattaa ttatattagt taacatttgt cacaaaaatt attt 234

<210> 10781  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10781

tgcacagac anagatgata gcaaatccat ttcaggatat ggtttcactt taaatggtgg 60  
 tgcagtaagt tagaaaagtt ccaagcaagc tacggtagca tattcaacta ctgaagcaaa 120  
 atatatagtg gcaagtgaag ccgctaaaga agctgtttgg atgaaaaagt tcacctttga 180  
 acttggtgtg gttccttcaa tagaagagtc ggtccatta ttgtgcgaca ataatggggc 240  
 tattgtcaa gcaaggaac caagatcaca ccagaagtc aaatatattt tacgaaggta 300  
 tcacttgatt agagagataa tagaacatgg tgacgttaag aatgaaaagg tagatggaaa 360  
 ggagaatgca tcagatccct tcaccaaggc acttggcana agagagttna acaagcacan 420  
 ataggaatta tgaatgaagt tcatga 446

<210> 10782  
 <211> 333  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10782

gctatgttnt aatgtcgagc ttcacgatat actacgggac actatcggac atccgagtaa 60  
 taagttattg tcattataat tttctcggag cttgcgtttt caattacgag tggctcgata 120  
 tattacggga ctgaatcagg catccgagga aaacgtgttt gtcgttagaa ttgtctcaga 180  
 gcttttgttt tcaatatcaa gcgtctcgtt atattacggg acttaatcgt acatctgtgt 240  
 taaaatttaa tgcggtttga atattctacg agcttctgtt tccaattaca agcgctcaa 300  
 tatactacgg gacacaatcg gacatacgat ata 333

<210> 10783  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10783

ctacaaaagg agagagcaag agatgaagag ccaatggttg atacatggac ggagatgana 60  
 cagatcatga tgaagcaata tgtgccggt agttactcaa gggacttgat attcaagctc 120  
 catagactaa cccaaggcaa caagggggtt gaggagtatc tcaaggatat ggaatgtgtc 180  
 atgattcaat catagattga agaagatgag gaggttaacta tggctcgatt tcttaatggt 240

atgactaatg atattcgtga tattgttgag ctacaggagt ttattgatat ggatgatttg 300

c 301

<210> 10784  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10784

atctctgagt cacctgcngc atgcaagctt ctgggagaca tctngacttg ctntccaatc 60  
tgacattcac cacagattct gccttcttct attttcagaa tgggaatgcc tctaacagca 120  
cctttgtcaa tgattntctt catgcctctt aagtgcagat gtccaaatct ttgatngcca 180  
tatttgactt catcttcttt ggagaataga catgtggagg agtaactggt ttcttgaggt 240  
gtccataggt aacagttgtc ctttgatctg ctgcccttca ttangacttc actcttctca 300  
tttgtcacca agcattctga ctntgtgaag ttacattgaa tccttcacca cacaatngac 360  
tgatgctgat caagttcgca gtcagtcctt tcaccagcag tactttgntc agactangaa 420  
gtccatcatg gactatgctt tccattccag tgatctt 457

<210> 10785  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10785

gagcgattcc tttcttctta tcatntctt catgttgatt caatctcatt aattccattt 60  
catgttctctg taactttcca aacaaagtgg caagagacat gttagataga tctcgtgatt 120  
cagtaatgat tgttacctta ggttgctatt ccttgcttaa gcatctcaa actntattta 180  
taagatcttc atttgaaaag aattttctta aagatgtaag atgattaatt atatgagtga 240  
acctctttcg catgtcttgt atggtttcac ttggattcat tctaaataat tcatattcat 300  
gaatcatctt atntatccta tatcttnta catctgttgt accttcattgt gttacttgta 360  
gggtatecca cata 374

<210> 10786

<211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10786

accgcgatct caagtcaccg cggctgcagc tgaggcaact gatgcatngg taactgggta 60  
 acccagctgg ccttgaacca gaaatctgta cctgtcgcaa gggctctgggtg gttgtgctcc 120  
 tctgctgacc accatacaaa cctttgccct tccatgcagc aacctggagc aattgagcag 180  
 cccgaagctt atgtgcana tatttacaat agacctctc aacctcagca gcaaaatcaa 240  
 ccacagcaga acaattatga cctctccagc aacagataca acctgggatg gaggaatcac 300  
 cctaattctca aatgggtctag ccttcagcaa caacaacaac agcctgctcc ttccttccaa 360  
 aatgctgcta gcccaagaag accatacant tctncaccaa tccaacaaca gcaacaaccc 420  
 cagaaaca 428

<210> 10787  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 10787

ctgcagcttg atgcacattt gagaggtaat gtacaacgat atgatgcgct ccattgagagg 60  
 ttggatcaaa tggagaatag agatcatcat gaagaagaaa ggacgagaag aggggaatgat 120  
 ggtgttecta gacataaccg aattgatggg attaaactca acattcctcc atgtaaagga 180  
 aagaatgatc cggaggccta cttggagtgg gagatgaata tagagcatgt tttctcatgc 240  
 aacaactatg aggatgacca taaggatgaag ctggctgcca cggagttttc cgactatgct 300  
 ctagtgtggt ggaacaagct actaaaggag agagcaa 337

<210> 10788  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10788

agcttatctc agatcagttt atgaacanaa taaacctcct tataaatata tgtttcactc 60

caaccaaag catagatngc acattgttca gtccctcaag ctcactgaaa gatgggaaat 100  
 tacaatatatt tacattcttt caatttgcac tcaaacaac acaaacacac atatatatta 180  
 ggtggaacaa tgtaatatatta atttgaatat tgattacata tatactattt tccatgatga 240  
 tataataact tgcttgtga caatatatac caacaacca gttgtttaaa tatttcatca 300  
 naaatgcttg catgggtcca ttcttttctc tcttcacata ctccaaataa ttcgatgaa 360  
 ttatccctat aactagcttg aatntagctt tccatctttt cccatgggtga taccatgtca 420  
 agtgctcggg ctctcttaga acagcaatat 450

<210> 10789  
 <211> 207  
 <212> DNA  
 <213> Glycine max

<400> 10789  
 gcttcccttg tgtgcatttg tgtaatacat tatcctgtgt atgatgatca cgggtccaag 60  
 gcagccaggg aatgatattg atgtgtatct tacaccatta atcgaagact tgaaaaaatt 120  
 gtgggaagaa ggagtagatg tgtgggatgc aaatgtgcag catacattca cattacacgc 180  
 aatgggtgtt tgtactatta atgattt 207

<210> 10790  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10790

tgaagcttcc atatgttgag tgggtgcaacc ctctttagaa tatcactcat gcaccaaca 60  
 tcttcatgat ttgtgtacat agggactcat taagtaggtt tgttcttaatt ttttgtttca 120  
 atacaaactt aagtgtcat atgggacacc ttangtttgt cataatatatt tgttaggaata 180  
 atcaacatga aaataaagaa naaggatatgt tntattcaat tactttcctt aactnttaaa 240  
 ataattgatca agggcttccc atggacctg agagaataat ggtcattcct gaggggccta 300  
 ctccaccatg tataagggac atttgngct tcaatgactt aacanacttt tacaataggt 360  
 ttgtctcata tttttctata cttgtagcac cactcattga gtnggttaaag aactatgttc 420  
 tctcatggga 430

<210> 10791  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10791

cacacatatg tcctattcgg ngacataact catctagacg ctcgaaattg aacaacgcaa 60  
 gctctcgaga cattcgaatg tgcataacat ttcgcacaaa tgtccaattc tgggacataa 120  
 tatatcaaga cgctctaaat tgcatacgcg aagcactcag gaaattcata tggtcataat 180  
 tattcacatg gatgtccgac tcgggaaaat aatatatcgt gatgctctaa attgaacaac 240  
 gagagcta 248

<210> 10792  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10792

gtatgttgct ggattaatat ctcgatgcac gatatgtggt tcacactcct tgtgcaaata 60  
 agctaatacca tgagctgcac cctgngcaat cttgagtctt acatcccatt ttagagctga 120  
 agttccatcc tcactctcat gcagccaata gtcaaggctt tcattctcca agtaggagta 180  
 aataaaca 188

<210> 10793  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<400> 10793

tatgcgcaca cttctgtacg aacgttcact tgcacatgac attattatat ctaatatata 60  
 tgcaccata tacaatcatt gcaccttcgt tacctataat attcacatgt acttccatgg 120  
 tgtatttggt atctacatca cacacatttc ctttgctaaa ttcacataca tgcatactct 180  
 aagcactgtg gctatcaaaa attgcatacg tgcacatctt ggtattttctc atacctatac 240  
 atacacaaac tatatgatga atcttgacta tctacacaat aaggcgctac atttcatgct 300

atttcaagt gtttgtacta cctaaagccg catgcaaatt gaagtat

347

<210> 10794  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10794

agcttcaacc tagaggagac ggaccattcc aagtgttgta taagatcaac gacaatgcct 60  
acaagaatga cttgcctagt gagtataatg taagtgccac tctcaatgtg tctgatctat 120  
ctctntntga tgcagatgga ggagccttgg atatgaggac aaatcctttt caagaacgat 180  
ggagtgatga ggacataacc aaggaccatg aagcacttga aggtcccatg accagaggca 240  
gacttanaca agcccaacac gtcatagaga caaagctggt catttgtata gctgccattg 300  
atgatgattg aaggcccaag tgcagaaaga tgaaagccca naggcagagg cactaccaag 360  
actact 366

<210> 10795  
<211> 342  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10795

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agtagcatgt actatgtcgg atctaccttc ctttgggatg acgagaataa ttttcccgaa 120  
atcacctcca aacacaacaa cttttccacc aaatgaacca ctgtcagaat tagacatgca 180  
catgatgtca ttcaatgtn tatctaagtc ttcataacaa acttatgagc cataggagcc 240  
tcacccata ntaatcaatt gattgccttt aacaattcaa cttgttctgt accttggtgg 300  
atattacatg tggagttgtc caatataggc accatgaata gc 342

<210> 10796  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 10796

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cctcttctcc ttgacctcc gctgcacetc catgantgaa aatcaccatt gaaggacctc 120  
attgaagatc aaagatccag cctccataga agctccacaa gcaagcttcc atcaagttat 180  
gaccatttga atctctcgag atcttccgtg ggtcaatntc gggcgtctcc atatgtcatg 240  
tgcctgaate ggacctnncg tagaaaaatt atgacctnt gaacttctct agagcttcgc 300  
ggtgttaatt tcgagcttct cgatatctga tgtgctgaa tcggacatnc gagtgtaaaag 360

<210> 10797

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10797

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gaagctctcg agaagatcta atggacatca actttcactc gcatgatcca tgcaggcgca 120  
taacatattg agacgcttga aaatgaacaa ctgagtttct cgagaaattc atatggtgat 180  
aactcttaac tcgcatgtcc gattcatgcg cataacatat tgagacgctc gaaattgaac 240  
aacggatgtt ctcgagaaat ttagatggtc ataaccttc actcttatgt gcgatacacg 300  
cgca 304

<210> 10798

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10798

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tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgtc tcttacagac 120  
ttagttggac atatgttgag tatgtaaaca gcagtgtaga ctgcttcagt ccagaatgtg 180  
ttaggtagtc ccttctcctt gagcatcgat ctagctatct ccataactgt gcgattcttt 240  
ctctcggaca ctccattctg ttgaggagaa tatgcgacta taagttgtcg ctctatgcct 300



tcacccac aaaatattta aactcgcgag aggtgtactc ttgcccga gcactttta 360  
 agtactttat cta 373

<210> 10799  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10799

tcttagtttc agatgatgca gatgggnttg tagctacctc atgcactcct ctaatgacta 60  
 tggcatcatt attggcgcta aactgctgng agttggaggc catcttctca attaaatttc 120  
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180  
 tctccatatt actgagtctc tcataaaaat attggagaag aagctgttct gaaatctgat 240  
 ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggcctcttc 300  
 cactgagctg tctaatacct gagatatctn tctgatggc tgtggtctg gaagcangga 360  
 aaaaatttct aaaatactct cttaagtcac ccagctcgt gat 403

<210> 10800  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10800

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 tatcgagcgt ctgtatatgt gatacgctg aatcgaacat ccgtgtgaaa agttatgacc 120  
 atttgaattt ctgagagct tcttggttc aattccgagc atctcgacat attgtgtgcc 180  
 cgaatctgac cttcgtgtga aaagtattga ccattagaat ttctcgagag ct 232

<210> 10801  
 <211> 407  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10801

ggatganagt gcacaactcc tacttgttgt tatgatgatg gagaagcagt acttcttgga 60

cctgaaatgc tacaacagat taacgaacaa gtgaagttga ttcgagagaa gataaaggca 120  
 tctcangata ggcagaagag ctattatgat agaaggagga agccactata tnttcatgaa 180  
 ggagaaccat gtgttttgaa ggtttctccc ttaaccggag tcggaagggc tcttatagct 240  
 aggaagttga cacccaagta tctaggtcca tatcanaatt tgaagaagat agngcctgta 300  
 gcttatcata tcgccttacc tccgagttta tcgaatntgc attctgtgtt ccatgtctct 360  
 caactgagac ggtacaaccc agatccatca catatacttg cagtggga 407

<210> 10802  
 <211> 371  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10802

agcacctgcg ctgcagctta tagatttatt atttgatgtg nattctttgt tataaccggt 60  
 tacatatatt acagtatgag ttacagggtt ttttcaagtt gtattaatat tagtctaatt 120  
 aaaattagnt ttctaaatta agagaacctt tttcacaatg agaaatttgt attcanagat 180  
 attcacagag atagttaatn tactttcttt ttagctagca ttatattaca tataaagttt 240  
 ccttatatgt aagtcaatat attaaatgac tataagaaat ctggacttat aaatggagta 300  
 atggatatat gatatagttg tgcattatta tgataagttg gaacattaat aattgacaca 360  
 agtgataatg a 371

<210> 10803  
 <211> 495  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10803

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 gggggggtga attaagatat tccaaactgc ttccccaatt aaaaatctat ttcactttnt 120  
 attcaagtta tgaattccct taatgacaat ctctgtaaatt attaatcaa ataaaaaat 180  
 ttgaatatga atataaatca ataataata aaggagatta agggagagaa gaatgcaaac 240  
 tcagttttat actgggttcgg ccacaccctt gtgcctacgt ccagtcccca agcaaccgc 300

ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca aggacaatcc 360  
 ttccctttgtg tttagaaatc cnttacaaca agagactcac agtctcttaa tcccttagag 420  
 aatgagaaga agaagaagag atctctctta naagagatgg gatttacaga atgagcactc 480  
 aaataattcc ttatg 495

<210> 10804  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10804

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 ggcgcaaaatc tcttgaacta agaagatgtc gtccatcacc tttctgttct taatgaatag 120  
 cagttgagtt tccccaatta tatgtctaag cacttaggct attgcggtgg ccagaatttt 180  
 agacacaatc ttgtataaca nattacagca agatatgggt ctaaaaatggg tacctgngag 240  
 gcctggtcac gcttatgaat aacgcaatat agcatgggta gctgcttaga attgttcagg 300  
 tgaagaatc attaccgcac aaagaatcat accaatgtat ttaagcctct gaagataaac 360  
 atgaagcctc tgccaggagc ttatgtatca tcacaaat 398

<210> 10805  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10805

gctcncagag cctggaacaa gagaatagat acttntctct tgcaagttgg attcatgaaa 60  
 tgcactactg aatatggtgt gtatgttaaa ggagaaagtc ttccagacat cctcatagcg 120  
 tggttatatg tggatgactt gttgatagca agaaaagatt tcaatgctat ctgcacatcc 180  
 aagcaagaga tgaaatctga atttgaaatg tcagatcttg gagaattatc atattttctg 240  
 ggcataagat tcaagaggac aaaggctagg tattttatcc accanagcaa atacacaact 300  
 gatgttctaa agaggtttca gaatgttgac tgcaactcag ttccaactcc tgttgaaact 360  
 agtgctatgc tggatcaatc anggctgaaa caat 394

<210> 10806  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10806

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ccactctgtc gtcattggtga gactcaggaa gcccaacagg tttagccttt tgaatgtagt 120
ctgaacaaaa ttcaatggct tattctgcaa tgtacctttc aacaatagat gcttccggac 180
gatgtagatt ctttgtatcc cctnttaaga tcttcatgta tcgtccaacc ggttacatcc 240
accacaaata aacaggacca caacatttga tttctctgac cagatgaaca attaagtga 300
tcatgatgtc aaagaaagca tgaggaaaat acatctcaa atggcatagt ataattgcgg 360
cctcattttc caggtcatca a 381
```

<210> 10807  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10807

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gcttctgagg acacaatgca aggaagctat tctcgaacta aatgcttcat atgaaaggta 60
canttttgta atttctcaat tcagttntca attctggacg atttctgtt aatttatcct 120
ttcacttttg gttatagatg acttgctcca cggttgaact cactgttcaa tangtgagga 180
agttgagggg aatgagtgca ctttatgaaa ttgtcaagga aggtatcaac atcaaggaca 240
ttcaatgggc acagcactga ttattatcaa gctctcagaa tgcaatgcaa gtgatgggaa 300
gcaattgtga ttgaactcca gacgtagctg ccactcttgc aattgcagat tcttcgaact 360
tgctgattat ntagtaattt gtatcttgag gttacattac aattaanaat ttacctgtc 420
agagctattt attangtata caccatctgt ttcaatgatt ggtagttttg cttgtcacgcg 480
atgtttatg 489
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<210> 10808  
 <211> 300

<212> DNA  
<213> Glycine max

<400> 10808

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atggaaaagc agagcgtctg gaatgatttc gtaaattctca gaaggctatt gggaaatgct 120  
ggtataaaca cgaatgccaa gcagatataa tattgaatga ggaatgtaga gggtcgtgtg 180  
aagcaacggt cgaattttcc ttggttcagt agtgaacgtg ctattaatgt taagtgatcc 240  
gtttgggcac gttcagattg ctgtagtgc tataattcct ctacacaca aatgccacg 300

<210> 10809  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10809

tgcagctaga gacactctac acgagccaac ctactcatt ctaacctata tcaaattcac 60  
aattctggtt atggtagtca ttggttttcc tattcccacc acacacacac ttaactctt 120  
tagttcacac accacaccat ggttaactaa caatatatta tgcattgcta gtatgttata 180  
cctttattgt aanattgaac ttcactagtt tattaagaga atcattaata ataaaataat 240  
actcgtatc tagatctcta gttggtatat agttgtgcat tagaatatag gttatatgac 300  
tatatattta acaataatta gttatgatga atttcattat ataacataaa cgacatcgtg 360  
tctaaggaaa ggaaagataa tttattatat atattataaa 400

<210> 10810  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10810

gctaactcga tanatacagc tntatcacgc tctacacgca atgctactgc ttgacgttta 60  
tctgcatctn tatctaccag attcntgaaa acaaatatag acatgcatgt tttcttntgt 120  
attacttaag cttcagtcag cacatatnta tttttctgaa agcaataatg catcaaagct 180  
atcatagggt ctgtttggct atattttttt ataaaanaat taaaagaata aaataacatt 240

aactttctcta ataaattaag aataatttat acataagtta aagttaactc tntacagaaa 300  
 ttaaatgatt ctatcttctc taanaatgct gngtttgagt ttttaatttat tntatggatg 360  
 aagtgatatta acttatttat gtggtagaaa atatttctta ctatagtgtg tgatagtctc 420  
 ttatagatat cgactactca cactaaaaaa ctattaa 457

<210> 10811  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10811

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 ctgagccaat ccaaacgaca ataactttnt actcggatgt ctgattgtgt cccgtaatat 120  
 aacgagactc tcaaaataga atgttgaagc tctgagctaa ttcaaacgac aataactttt 180  
 aactcggatg tctgattgag tctctgcata catcgagacg ctcgannatg aatgttgaag 240  
 ctctgagcca attcaaacga caataactnt atactcggat gtctggatga ctctcgtcac 300  
 atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaatnaact 360  
 ttactcgga tgtttgattg agtccagcat atatcatacg ctcgaaaatg atgttg 416

<210> 10812  
 <211> 501  
 <212> DNA  
 <213> Glycine max

<400> 10812

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 aagattcaag aatcaagaga agtttgattt caagattgaa gagaagatga attcaagatt 120  
 caagagaaga aatcaagaag acttcacaag ggaagtattg aaaagatttt tcaaaaaaaa 180  
 caaacatagc acaattttgt ttttcaatag agtttttctc aaaattttct aagttaccag 240  
 agtttttact ctctggtaat cgattaccag tggcaaagct tgatttcaaa agcttttaac 300  
 tgaatctgca acgttccaat tgatttttaa atggtgtaat cgattaccag tgtaacttaa 360  
 cgttgaaatt caaattcaat tatgaagagt cacatctttt cataaaatgc tttgtgttat 420

cgattacatg gttttggtta ttgattacca gtgacaagtt ttgaataaaa agtccagaga 480  
 tgtaactctt ctaatggttt t 501

<210> 10813  
 <211> 513  
 <212> DNA  
 <213> Glycine max

<400> 10813  
 agcttgtcta agtccatact atgatttgtt caatttgcac accaaggaag ttgggaagtt 60  
 ccatataaac ttcttcaaac aaatctccat tcaaaaaagc attattaaca tctaatagga 120  
 gaaggcacca gtttctagca gtagcaacac agagcaaaac tctcacagt gtaagcttga 180  
 caactagaga aaaagtataa gagaaatcga ttccagcttg ttgagtatac cttttggcaa 240  
 ccaatcgagc tttgtatcta tccacagagc catccatttt atattttaact ttatacacc 300  
 atctacaacc tatacaatgc ttatcaagt gtaagggaac aagtcttcag gtggaatttg 360  
 ttggacaagt ggccctaata tcttaagggg aggggggatg aattaagtct taaaaattg 420  
 cacttagaac cttattaaat ctcaagtgcc caggttgatt gcattcatag cattttgggg 480  
 gctaagagga attttctcct tccttctttg gat 513

<210> 10814  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<400> 10814  
 tccacttgta tattgcaact gatgcaatcc tacctttcat gggatttga tagaagactc 60  
 caaaaggctt gggctagagc tactaaagaa ggcctaagg ttctcatgaa ccttaaggta 120  
 gatttttgag cccatgggtc aaggttggat ccactcttct ttgtaaatat taaaataggt 180  
 ttttcttgc tttgggtctt gtattttggc cattctagta gtataggggt ttgacctgt 240  
 atttcgaggc attttcagta gtctttgtag tagggatttt ttttggtttt ttcattgtatt 300  
 ttgtcatggg ggtgagctta gctattatag ggggtgtgta gctaagctct agcttttcat 360  
 ctcaaggagg tgagcctagc tattagaaac gtgtgtgtag ctttaactctt acttttttta 420  
 ggaatcttct caaagaagct tcttaaggag gtgagcttaa ttattaaaag ggtgtgtgta 480

<210> 10815  
 <211> 510  
 <212> DNA  
 <213> Glycine max

<400> 10815

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agctttattc aagacaaaga aattatagat attcaagatg gatgatcaag acagtctcta   60
tagtcttaga aagggtatat taaataggaa gggaattcca attgaagtag caaaagggtt   120
ggccaagaat tttaaattaa aaagtctttt tcaacaaatt tactctcttg taatcgatta   180
ccaaagggatg taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaatttg   240
aattcaaagt ttgcactatg taatcgatta cacatatata gtaatcgatt accagcagtt   300
tctgaacgtt ttaattcaaa ttttaaagct tgtaatcgat tacacatata ctgtaatcga   360
ttaccagaag agagtttcag aaaacattct caacagtcac atctttttgt gtgattcttg   420
aatggctatc ataggcctat atatatgtga cttgagacac gaatttgata agagtttttc   480
aaaacaaaaa ggtcttatcc tcttataaag                                     510

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<210> 10816  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<400> 10816

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tgtaatcgat tacagagata cagttttcta ttaccagagc acattttcaa aaaatattct   60
caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatatgt   120
gacttgagac acgaatttaa gaagagtttt tggagaacaa aaaggcttta tcctattaaa   180
aagcaaatcg tgttatcctc ttacaaattc cttggccaaa ttacttgatg ttaataaagg   240
aattatttga gtgctcaaat tggtcagctc atctctttca agagagattt cttcttttct   300
tcttcttcac tctgaaaagg gattaagaga ccgagggctc cctgttgatg aagaattcta   360
aacacaaagg aagggttgtc ccttggtgtg taaaact                                     397

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<210> 10817  
 <211> 487  
 <212> DNA



<213> Glycine max

<400> 10817

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ccaagggttt tcaaaaatac ctatgatgagt gtcttactac taagtgcatt atcttgggaat 120  
caatgagttc agaactccag aggcaacatc aagacatgga cccatgatgag atcgtcgaat 180  
atcttaagaa gatgtacggt ggtcaaagcg ggaaggctat atttcaatta tctaaggccc 240  
tgtttagatc ctactttggt gcaaatgaaa aggttggacc ccatgttctt aagatgattg 300  
atctcataga acaacttgag aagttggggt ggactcttgg gaaagagctt tctcaagatt 360  
tgattctaca atcactttcc gattttatct cacaatttat tgtgaatttt aacatgaata 420  
agatgaattg tgacttgcat gaaatgctta atctgcta attgattatga gaattaaatt 480  
gcttttg 487

<210> 10818

<211> 497

<212> DNA

<213> Glycine max

<400> 10818

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cttctaaaaa agtatctctc tcatcctatt aaaatcaaaa tgacaatggt aaatgctatt 120  
cctaaaaaga tcctccaac caaaacaggg gataaacaga gaaggaaggt aaatgcgaga 180  
agaaaagaat gtagtaattg tgaaaacagc aaattaagta ccaatgaagt gatgtcaggc 240  
cttgtgtagg gagtaggaca actagaagcc aaatcagcaa atctcaacta tagattccta 300  
tccatgtacc ttagtaactt ttttaattta tagattcttt aaaaaaatt catgggttagt 360  
ggggttctac taaatgttgt catgacaaga gtatattcat tagacatcaa aatggaagtt 420  
atagtgccct ttaactaaca aaattatctt tcctgatat ttctctttga tctttctaaa 480  
ttgtcaaacc taaatgt 497

<210> 10819

<211> 469

<212> DNA

<213> Glycine max

<400> 10819

tatgctgcaa acatctacaa cagacctcct taaccttagc agtaaaatca gccacaacag 60

aacaactatg acctctcaag caacaggtgc aatcccagat agaggaatca tcccaacctt 120

agatggtcga atccttcaca acagcagcaa caacaacagc cttattttca aaatgttgtt 180

ggcccaagca gaccatgctg tcctccacca atctagcaac aacaacaaca acaacaacaa 240

caacaataac aacagcccca gaaacagcaa acagttgagg cccctccgca accttccctt 300

gaagaacttg tgaggcaaat gactatgcaa aacatgcagt ttcaacaaga gaccagagcc 360

tccattcaga gcttaactaa tcagatggga cagtgggcta cacaattaaa tcaacaacag 420

tcccaaaatt ctgatagatt accttctcaa tctgtccaaa atcccaaaa 469

<210> 10820

<211> 497

<212> DNA

<213> Glycine max

<400> 10820

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agcttctaga cattgttctt cggaacttg tccagctcta cttgcattgc ttgacccaa 120

tgttcatcaa acatagcctc atctatgtgt ttggtctcaa tctttgatag tagcactgta 180

tgcttgagag agttccttgt ttctactttg tccttaggat caccaatgat ttgaggcttt 240

ggatgatggt ttgttagcaa gggtcctatt ggttctctga cttttttagg ttgatcatcc 300

actgggtctgt tggacgcaag ctcatcttgg ctagacgcag aagaacactt gacgatattt 360

tctatttcca tctctggaaa agaattatcc agctctaaca ttgtagtgtc aaacttgttg 420

tcattaaatc ttacatgaat agcctcttct acaataaagg ttctagagtt gtacactcta 480

tatgccttgg acgattt 497

<210> 10821

<211> 511

<212> DNA

<213> Glycine max

<400> 10821

agctttccac attgaattca ttacctaatg tcatattaga tgggaattgg gtatcttaac 60

ataagaaatt tcagatggac tttaatccta atcccacagc cgaccttttc acgagatctc 120  
 tacttaaccc tttggttaaa tgatccaaat tatgctgagt tctcaciaaac tccactgata 180  
 tcacaccatg catgattaac tcccgaacca tgttgtgtct aacacccaag tgtctagact 240  
 tcccattata cacttgacta tatgccttag ccaaagtagt ctgactatcg cacctgatag 300  
 acatggggagg tataggtttg ggccacaatg gaatctcata gatcagattt cttagccact 360  
 cagettcttt accagctgct gctaaagcta caaattcaga ttccattggt gaatttgtaa 420  
 tgcaggctctg tttcttgat gcccaagaga tagcacctcc tccaaggagg aatacccaac 480  
 cacttggtga tgaataatct tccatattgg t 511

<210> 10822  
 <211> 523  
 <212> DNA  
 <213> Glycine max

<400> 10822  
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 aagttatctt ttccattatt caatacaaaa catttacaac caaagatatg aagatgtgag 120  
 atgtttgggt ttctgccatt gaacaattca tatggagttt tctttaaaat ggtctcttatt 180  
 aaagccctat ttaaaatgta gcatgcagtg ttaatggctt cagcccaaaa gtattttgga 240  
 agaggagtat catttaataa agttctagca atctcttcca aagatctatt ttccctttca 300  
 acaacaccat tttgttgagg ggttcttggc gcagaaaagt tatgctcaat cccatgctta 360  
 tcacaaaata attcaaattc tttattttca aactcacccc tatgatcact cctaatagat 420  
 ataactctga gatttttctt attttggatg atttttgcaa gttttctaaa tgcttgaaat 480  
 gcatcattct tatgagtgat aaaaagagtc catgtgtatc tag 523

<210> 10823  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<400> 10823  
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ttgagaatt ctacagagt caggattgga agaagtagaa tgggccagc cacgttttga 180  
 ctagttaaat gttattgagg gaaattggct gccataagtc atgggcgact atatcagagt 240  
 agaatgaaaa gtgcattcga aaaaaacgtg cgcttggtgtg agttcaccga gggggatctt 300  
 attttgaaga aaatatcgca tgttcagaaa gatcattgag ggaaatgggc cctgaactat 360  
 gaaggacctt ttatggtaaa gaaggctttc tcgggtggag cattgttact tatgaatatg 420  
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 tattggggac agtttgaaag ttcac 505

<210> 10824  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<400> 10824  
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 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaaacaag gctcatttgc 120  
 ttcaagatta atacaagatt gttttaacaa acaaagcctt gattcaagct ttcttcaaga 180  
 tcaagccttg cctcacaagg aaagggttca agtcacccaa gggacatgta atcgattacc 240  
 aatggttcga aagtgtgtaa tcgattacac atcatatgta attgattacc agagactctg 300  
 aacgttggga attcaaattt taaatgaaga gttacaattg ttcaagaaaa acaactgtgt 360  
 aatcgattac accaattctg taatcgatta ccagagagga ttttcaagga atatcgccaa 420  
 cagtcacatc ttattatttg gatthtgaat ggccatcaaa agcctatata tatgtgtgac 480  
 ttggggac 487

<210> 10825  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<400> 10825  
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 gtaatctttg cttcaatttt caggccttca acagatgaac gaactgcaat atagaattct 120  
 tatcagaaga ggtacaaata gagctaatac aatggtaaga catcaatcag ataagtact 180

ccaccacaca cactaacata tttgtgagga gaaaaaaaaa tgttccctta cctgaaatgg 240  
caggcatgag tgcaccaaca caaattatca tgcaagcacc cagtaaaaca aaaataagca 300  
aaaccgtttt tgtacctctt gtgtttctca atgaatcttt ttaaaggcga ggggtggtatg 360  
cttctatttg aggaaccagg ttttgtgata tgtagaaagc ttcctcatca caaacttgat 420  
gattaagaag caaacaaaat tttgcatttc tgcaaagggtg tgaatacaaa aca 473

<210> 10826  
<211> 491  
<212> DNA  
<213> Glycine max

<400> 10826

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gaatgcggtat catgttgcca agagtttgga taaggaagggt tatcgcggtga ctactttgca 120  
tgagggggaag tcgcaggagc agagggagat tagtcttgaa ggggttagga ccaagagata 180  
taatgttctt gttgctactg atgttgctgg acgtgggatt gacataacctg atgtggctca 240  
tgtcatcaac tatgatatgc ctgggaatat tgaaatggac acgcaccgga ttgggcgtac 300  
tggtcctgca agaaagacgg gtgtggctac cagttcttg actcttcagg actctgatgt 360  
cttctatgac ctcaagcaga tgcttattca aagtaacagt cctgttccac ctgaactggc 420  
aaggcatgaa gttcaaaaat tcaaaccagg aactatttca gacagaccac ctaaccaaatt 480  
gacactgttt t 491

<210> 10827  
<211> 501  
<212> DNA  
<213> Glycine max

<400> 10827

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gaagggtgat taatggttat ctagatttca taaagttaga aaagggttaa ttaaattata 120  
agagtttaaa gtggagaaca tttttgtaaa taactataca actagtttaa aaatagaatt 180  
ttagtttaat tagttggtga ctaattaaag tgtttggtta tatgatgtag aataattaaa 240  
ataagttaga gttgtaacac agtgaaaaat tacaactcag actgacagag aaattgtgtt 300

gtgtcatttg tgtatgtatg aatttaattt caatacttgt atgtttttta ttatagaatt 360  
 tgcgtgctat atatgtctat acttagtgta aataatttgt ttagtctacc ttgacaagga 420  
 tatggaaact acttaacaaa aatttcattt gtaacaaaaa tacgttgtag actgagtgac 480  
 agtgtaattt aactctgtgt g 501

<210> 10828  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10828

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 aacatctact ggatgagagt actattgaag tgaacagtc cagaaatgct ttcttgcac 120  
 tgatcaggaa gataaatccg gatattttta ctcagatcat tattaatgga tcatatgatg 180  
 cccctttctt tgccacacgg tttggggagg cactcttcca ttattctgct atttatgaca 240  
 tgtttgacac tgtcataact agtgaaaatg aatggaggat gacgattgag agtgagcttt 300  
 tgggccggga ggttatgaat gttatagcat gtgaaggntc tganagggnt caaaaacctg 360  
 agacatacaa acaatggcag gtttgaata ccaaggctgg ttttaagcag gtcctcttga 420  
 atgaagaatt aatg 434

<210> 10829  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<400> 10829

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 ggatgatgta gtatcttgca tatgtatcat atccaaaaaa tgctccttaa catatccatt 180  
 cttatcaaca aatctaagaa cttagagttgt ttgttctctt ttagattcat catgggcttc 240  
 atcaacaatg aaacaaaatt ttgcattacc aatctcttct tgaatttcat cttgcacctt 300  
 tctagcaaa acatatagaa tatctttttg gatagtgagt gaaatgtatc ttacattttg 360  
 agggacgttt tccgagataa ttcatctat ttccttatta taagaagcta agagctttat 420

catttcaaga aagttaccac gggtttccaga tcccacactt tcatcatgtc ccttaaaaaat 480  
gcaagcttga aatgtcaacc att 503

<210> 10830  
<211> 511  
<212> DNA  
<213> Glycine max  
<400> 10830

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gttaaatgtg caaaagcata ctacaaataa gaccgactta tgggtataaca agcaaaccac 120  
cttttcaaag aaaacaaagt ttgtatcttc aaaagaggtg aacccaaaca aggtctacaa 180  
gtgaggaaca cagtgaattc taggagaaat gcaaagacat gtcattattg catgaaaaga 240  
cttctttcaa agcaaaaaac attttttcta cttcaaaacc ctttaaacta cttcacattg 300  
atattatttg tccttctaga actatgagtt tagatgaaaa ttactatggc ttagtaataa 360  
tggatgatta ctcaagggtc acatgacttt gtttttgaaa accaaaaatg aagcttttaa 420  
tgcttttcgc aaacttgcca aggtgattca aaatgaaaa gtctgaacat ttttccactt 480  
agaagtgtc atggaagtga atttcaaat g 511

<210> 10831  
<211> 508  
<212> DNA  
<213> Glycine max  
<400> 10831

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ctagtgtggg tgcatttttg gaactgcata ttgcacatga cgggttttgg taaccacett 120  
agttattgta gggttcattca attcgtgaag cagctgctaa caacttgaaa cgccttgctg 180  
aagaatttgg tcctgagtg gctatgcagc acataattcc tcaggttcat ctatttactt 240  
aatttattat taacgaaatg atacaccaac atatgtcaac attaatcgt ctgtgtgggt 300  
ttttgtgcat gtcttgaaat atatgtttgc tatatgctat taccttttct attctcccaa 360  
gtgtaacttc agaagtatct atatggaatg tgtggaacag gttttggaga tgaacaacaa 420  
cccacactat ttgtatcgga tgactattct tcgggctatc tctttgcttg ctctgggat 480

gggccctgaa atcacttggtt caaacttg

508

<210> 10832  
<211> 492  
<212> DNA  
<213> Glycine max

<400> 10832

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ctttacatcc atttagtgca actccaaatc gaaatgagct atgagggtca taatgattct 180  
aaaggaatcc tttgtcgata taggggaaaa agtctcttta aagtcaacaa cctcattttg 240  
cataaaatct tttgtcacta gtctaacctt aaatctttca atgttaccat ttgagtcttt 300  
ctttgtctta aagaccatt tacaaccgat tgccttataa ttctcaggca acttaactag 360  
ctcccataca ccattaactg acatagattg catctcttta ttcattgcat gccttcacat 420  
tttttttact aaaggttaaga aacaacttca tgataattct tttggatcaa taatgtctcc 480  
aatgtcgtat gc 492

<210> 10833  
<211> 494  
<212> DNA  
<213> Glycine max

<400> 10833

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gaatgatttc aagattgagt caacaagttc aagatcaaga ttaatttcaa gtttcatgag 120  
aagaaatcaa gaagattcaa gaatcaagag aagtttgatt tcaagattca agagaagaaa 180  
tcaagaagac ttcacaaggg aagtattgaa aagatttttc aaaaaacaaa catagcacag 240  
ttttgttttc aaaataatct ttctcaaat tttccaagtt accagagttt ttactctcta 300  
gtaatcgatt accaatggca aagtttgatt tcaaaagctt ttaactaaat ttgcaacggt 360  
ccaattgttt tttaaatggt gtaatcgatt acaatatatt ggtaatcgat taccagtgtg 420  
tgtgaacggt gaaattcaaa ttcaattgtg aagagtcaca ttttttcata aaatgctttg 480  
tgtaatcgat taca 494



<210> 10834  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<400> 10834

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gagctagtta taattacaaa gtatgaaatg agacaaggca ataatcatgt gattgattat 180
aaggcctaag atgtcagtcg gaactataca caacttctct ctctcactac agagcatagg 240
gacaaaaaca agacaaacta atgggagaggc aacattaaag gttggccaga tagttaatac 300
ctcttattaa tctctgttct ttaaatacata atgttgattg agccttctga ttcttaatac 360
taatattgag caagcctttt gtgcctttct cttctttttt ctttagcttt gggggttgaa 420
gaaccacttt gatagtgggc gcaaagacaa ctttcacatt ctgttattaa ctggggcaca 480
tgaaaacttg tgatataaac 500

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<210> 10835  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<400> 10835

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cctttacacc ttggctgaac taggcttcat cttgcttcac aaaccattc tctacgatat 180
cccacacatc tagagctcct agtagcgctt tcatgttgat actccaatta tcatagatga 240
tctttgtgat catctgcatt cggaaaggaa aacctccatt cgccatcttt cgaggatctt 300
gaacctttga taccactttg ttggaaataa ggctctttgt gttttcgaaa aggggtttatg 360
aatattggag ac 372

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<210> 10836  
 <211> 523  
 <212> DNA  
 <213> Glycine max

<400> 10836

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agcgactaac aaatatggaa ctgaatctca ttttgacatt ttaactcttc cctaaattcc 120

aatatagatt tgtgatttat ccaaaactat ttgtgtaa acatataatta tacttagaat 180

tatattttta atagtctctg acacttatta gtttttatgc atataataaa tatttttgta 240

gaaagtgtct aggtctattt tgaatttgta gggtgagttc ttgtgaaat aaaataaata 300

ttaaaagaat gcacttaatg tttggatcta ttttactcaa aatccatggt gtaaagacac 360

ttttctcacc aactgtaagt ctaagtaaaa aggtgttacc aatcaatggt ttggaactgt 420

cattgaaaag ttgtccactt tctacgacgg tcaattcaat attccatgct aaccttgatg 480

ttaaaagtc ttccaaaccc atggttgaaa tccttttttt ttc 523

<210> 10837

<211> 511

<212> DNA

<213> Glycine max

<400> 10837

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gtcacctcc ttgagatgag aagctagaac ttagctacac accccctata atagctaagc 120

tcacccccat gaaaaaatac atgaaaatac aaaaaaaaaat ccctactaca aagactactc 180

aaaatgcctc gaaatacaag actaaaaccc tatactacta gaatgaccaa aatacaaggc 240

ccaacgaag gaaaaaccta ttctaattt tacaagata agcgggctca tacttagccc 300

atgggctcga aatctacct aaggctcatg agaaccctag ggccttcctt tggatctttg 360

gcacaatcta cctggagtct tctatccaat gcccttgagg ggtaggattg catcacagct 420

gtggctcttg ccttaaagat ttggaggcac tatttatatg gtactcggtt tgaagttttc 480

agcgatcaca agagcctcaa atacttgctc g 511

<210> 10838

<211> 506

<212> DNA

<213> Glycine max

<400> 10838

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 atattgtctg ctccaccatg aaacccccag atttccaaga ggatcatata tttctgaagg 180  
 cttttctctca ttcttttagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240  
 ccatcacgag ctgggatgac ttgaagagag tattcttaga aaaaattttc cctgcttcca 300  
 ggaccacaac catcaggaag gatattctag gtattagaca actcagtggg gagagcctgt 360  
 atgaatactg ggagagattt aaaaaactat gtgccttggg aaccctactg gccttgaacc 420  
 agaaatatgt acttggttga aggggtcaatg gtttgtgctt ctctactgac caccatacag 480  
 acctttgccc ttccatgcag caacct 506

<210> 10839  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<400> 10839  
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 tatagcctaa gtgtcacaca aaattggagg gaaatttgaa tttcaattca aatttcactt 180  
 gaatttgaaa ttgaatttgt ggagccaaac tttggagcca aaatttcact aattatgatt 240  
 agtgaatttt agttatggtt cagcctacta atccaagatc aattccaaga ttctccacta 300  
 agtgtgctta ggtgtcatga ggcattgaaa gcatgaagga catgccccaa gtgtgactat 360  
 atgatgtgac aatgggggtg agtaagcaaa tgctcacctc cccctttaaa atttaattgg 420  
 attgggcttc taccaattca attaaatttt atttcccaac acacacatca a 471

<210> 10840  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<400> 10840  
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tagtgtttgt gatacatgcc atttagcaaa acaaagcaag cttacttttt cttctagtgt 180  
 tactgggtaca cgcaagcett ttgaattagt tcacatggat atttggggaa cccttgctac 240  
 cccctctttg catggacata aatattttct tactgtggta gatgatttta caaggcacac 300  
 ttggttggtc ctcatgaaat taaaatctga aactagaaac ctcattgaaa actttattca 360  
 ttttggttgg aatcaattta atgctatttg ttaagactat tatttcaaaa catggggcct 420  
 aattttggct attcccgaac tctattaaaa aaatatggga tttttacata ataatttaat 480  
 gtgtttcaca accacaaaca aaa 503

<210> 10841  
 <211> 511  
 <212> DNA  
 <213> Glycine max

<400> 10841  
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 gcagtatatt ttatatctta acattatgaa atgctttgat aaaatgtag caactgttaa 180  
 gtgaaaatgt tctctttttt gtaatacaga attcatggcc tcaaactctgg aaagatgttg 240  
 aaagagttec gtggccatac atcttatgtg aatgatgcaa tttttacaaa tgatgggagt 300  
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 tcttccaaaa atttactatt atgggggtttt g 511

<210> 10842  
 <211> 507  
 <212> DNA  
 <213> Glycine max

<400> 10842  
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agcaaaagga tttcatcaag tggctgggtc taatttcaat gaaacttttt cccctgttat 240  
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 atatgggctt aagcaagcac caagacagtg gtttgataga ctaaaatcta cactcttgca 480  
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<210> 10843  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<400> 10843  
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 accagaggat gtaattgatt accagtggcc aaaaatgatt tacaacagct attaaaaatt 240  
 gaattcaaaa ttgctactgt gtaatcgatt acacatatat ggtaatcgat taccagcagt 300  
 tattgaacgt ttaattcaa attttaaagc ttgtaatcga ttacacacat actataatcg 360  
 attaccagag gagattttca gaaaatattg tcaacagtca catcttttca ttgggttctt 420  
 gaatggccat caaaggccta tatatatgtg aattgagaca cgaatttgct aagagtttta 480  
 taacaaaaa 489

<210> 10844  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<400> 10844  
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 gatgaacaaa agctcccaaa tactgttcta ttatgcgatt taacacctca gtctatccat 360  
 ggatcttgcc aacaatgtgc atgaagagct gcgccaccat tgaagctatg taatgggttt 420  
 ggaggggtacc aaagtgaatt ccccttgaaa aaccgtctat gacgaccaag atcacagtgt 480  
 gtcccccgaa aactggcaat 500

<210> 10845  
 <211> 503  
 <212> DNA  
 <213> Glycine max

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 gacagcttcc caggttctgc tatccagtga ttgaggaag gccaccattc ttgctttcca 180  
 atattcatag ttgcttccat caagaattgg tggctgtgtc actggtccgc cttctttctc 240  
 catgttcac agaatattac accctagatc tcaactctgtg atttcgagtg ttggctctga 300  
 taccaaatga aattctgata ccaggggaca gatgtcgtac cggatgtcac gacatcacgc 360  
 ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa ataacataag 420  
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 ggaaatccac tctcaatagt gtt 503

<210> 10846  
 <211> 497  
 <212> DNA  
 <213> Glycine max

<400> 10846  
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 atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaaat ggtttcttta 240  
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atttgccttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360  
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 atactccatt gcccaatt 497

<210> 10847  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<400> 10847  
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 ggttataact attcacactg aggttcgatt catgattata atatatcaag aactcgaata 300  
 ctaaaccatcg gaagctctcg ataaattcaa ttggtcataa cttttcacac gaatgtccga 360  
 ttccggcgca taatatgtcc acacgctcgg attttgaaca acggaagct tcgggaaatt 420  
 taaatggcca taccttttca cactgaagt cggattca 458

<210> 10848  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<400> 10848  
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 acaacggaag ctcttgagaa attcaaatg tcataacatt tcacacggat gtcggattca 180  
 agcttataat atactgatac gtcgaaatt aaacgctcga aactctcggg aaattcaaat 240  
 ggtcataacg tttcacacgg atgtccgatt cgggcacata atatgtcgag aggctcgaata 300  
 ttgaacaacg gaagctcttg agaaatttaa atggtcataa cttatcactc ggaatgtctaa 360  
 ttcaggcgca tcacatatag aggcgctcga aatgaacaa cggaagctct cgagaaattc 420

aat

424

<210> 10849  
<211> 502  
<212> DNA  
<213> Glycine max

<400> 10849

agctttacta tgcagagaat atccaaggaa aataccttca tctgacttag catcaaattt 60  
tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaga tatgaagatg 120  
tgagatgttt gggtttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180  
tattaaagcc ctatttaaaa tgtagcacgc agtggttaacg gcttcagccc aaaagtattt 240  
tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttctt 300  
ttccacaaca ccattttgtt gaggggttct tgggtgcagaa aagttatgct caatcccatg 360  
cttatcaca aataattcaa attctttatt ttcaaaactca cccccatgat cactcctaatt 420  
agatataatc tttagatttt tcttattttg aatgattttt gcaagttttc taaatgcttg 480  
aatgcatca ttcttatgag tg 502

<210> 10850  
<211> 404  
<212> DNA  
<213> Glycine max

<400> 10850

agcttgaatc ggacatccgt gtgaaaagtt acgagatttt gaattttctca agagcttcca 60  
ttgttcaatt tcgagcattc ttccctttta taagcctgaa tcggacattc gtgtgaaaag 120  
ttatgaccat ttgaatttct caagagcttc cgttggtcaa tttcgagcct ctcgacatct 180  
tatacgcctc aatcgaacat ccgtgtgaaa agttatgacc atttgaattt ctcgagagct 240  
tccgatgttt aatttcgagc gtatcgatat attataagct tgaatcggac atccgtgtga 300  
aaagttacga gattttgaat ttctcaagag cttccattgt tcaatttcga gcctctcgac 360  
atcttatacg ccggaatcga acatcccggt gaaaagttat gacc 404

<210> 10851  
<211> 493



<212> DNA  
<213> Glycine max

<400> 10851

agcttcacgc ttaagtatgt atggcaaac ttcattatta ttgttcaaga catacaagtg 60  
agcttgtaac aaatctttta gacttggagt gatcacatgc agtcctcttg aacccttacc 120  
accactctg tcatcatgcc gagactcagg aaggccaata ggtttagcct tctcaatgta 180  
ttctgaacaa aattcaatga cttcttttgc aatgtacctc tcaacaatag atgcttctag 240  
atgataagga ttctttgtat acccttttaa gatcttcatg tattgctcaa ccgggtacat 300  
ccaccacaaa taaacaggac cacaacattt gatttctctg accagatcca taatcaagtg 360  
aatcatgatg tcaaagaaag caggggaaaa atacatctcc aactggcata gtataatttc 420  
ggcctcattt tccagctcat catacttgac aggatcaacg actttgctat atatggcatg 480  
gaaaaaaaaag cac 493

<210> 10852  
<211> 427  
<212> DNA  
<213> Glycine max

<400> 10852

tcacgatata ctacgggaca caatcggaca ttcgagtaaa aagttattgt cattttaatt 60  
ttcttagagc ttccgtttta attacgagcg gctcgatata ttacgggact gaatcagaca 120  
tccgaggaaa acgtttttgt cattagaatt tgctcagagc ttttgtttcc aatatcaagc 180  
gtctcgttat attacgggac ttaattgtac atctgagtta aaatttaatg gggtttgaat 240  
ttgctacgac cttctctttc caattacgag cgcttcgata tactacggga cacaatcgga 300  
catccgagat ataagttatt tttttttgca ttgctcaga gcttatgttt tcaatttcga 360  
gcatctcgat atattacggg acttatatag acatcccaga aataaattat tgccttttgg 420  
aatttgc 427

<210> 10853  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 10853

agcttgtagc tcttcacgtc tggaatatga atatcatata gatccaaaga cccttaggtg 60  
ctttgctgat ggcttcttcc cggtccaagc ttcaattgga gtcttgcttt ttacagactt 120  
agttggacat ctgttgagta tgtaaacagc aatgtagact acttcagccc aaaatgtgtt 180  
aggtagtccc ttctccttga gcatcgatct agccatttcc ataaactgtgc gattttttct 240  
ctcagacact ccattttgtt gaggagaata tgcgactgta agttttcgct caatgccttc 300  
atcctcacia aatctttcaa acttgcgaga ggtgtactct tttcctgat cactttcttag 360  
tacttttacc cattttccac tntgattttt cagca 395

<210> 10854

<211> 343

<212> DNA

<213> Glycine max

<400> 10854

tcatgaactt ggcattactg ctcttcatat caagctccgc gccacgggtg ggaaccagaa 60  
aaaactccgg gtcttggtgc tcaaacagct cttcgtgccc ttgctcgctc aagaatgaaa 120  
attggctgta taggtatttg ccttcacttt atttgcccat tgtcatgttt ttatgtgttg 180  
gctgcatatt ttccagggtg taacatattg tgttgaagca tttattttct tggtaaatct 240  
gaagagtcag tgtttatctc tccctttcga ttgcagcttt gttttcttat tgatttcatt 300  
tgaatggcat gtactgtgaa gtacttatta atggttcttg att 343

<210> 10855

<211> 312

<212> DNA

<213> Glycine max

<400> 10855

tactcggatg tctgaatgag tcccttcata tatcgagacg ctcgaaattg aatgttgaag 60  
ctctgagcca aatcaagccg acaatatctt ttactccga tgtctgattg aggcccgta 120  
tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattccaac gacaataact 180  
tttttctcgg atgtctgaat gagtcccgtc atatctcgag acgctcgaaa ttgaatgttg 240  
aagctctgag ccaattcaaa cgacaataac tctttactcg gatgtctgat tgagtcctgt 300

<210> 10856  
<211> 358  
<212> DNA  
<213> Glycine max

<400> 10856

agcttatctc cagcatagtc aacatcacag tagcttgtag gtccaaaatc ttctcttctt 60  
ttaaagcata gaccaaggtt ataagttcca ataagatata taaaaatgca ttaataaaca 120  
gataaaagga cttctcttgg ttctttttga aaccttgacac ataagtaaac actaaacatt 180  
atatcaggcc tatacgctat aagggtataac aatgatccaa tcattgctat ttattgggtt 240  
ttgtccaact tttttagatt ctctgtccaa ccctaagtat ctagtgggat gtataggtgt 300  
ctccatttct ttgcatctgt ccacgttgaa catatttagt aagcttttca tatacttg 358

<210> 10857  
<211> 390  
<212> DNA  
<213> Glycine max

<400> 10857

ggatcttctt catcaacgga gtcccttgct tcttgaagtt caatggaagc ggaatggaga 60  
aggaagaaag atgattggag atgccacttc aaggagaaga tgagtcaaga acaagctcac 120  
caccataaga agccatggat aaaaacttga aggtaggaga agatgagtgg agggagaagg 180  
agagaaggag cagcaaattt agttctctca atgaggtagt aactttgaag tgtaattctc 240  
aaatgatcaa agttcaaaaa atacacacat atggccttta tttatagcct aagtgtcaca 300  
caaaatttga gggaaatttg aatttctatt caaatttcac ttgaatttga aattgaattt 360  
gtggagccaa aatttcacta attatgatta 390

<210> 10858  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10858

agctntctat tctaatatag aaatccatga atgtacctta atgtctgaag tttatgggat 60

taagatggtc attgaccaat cccatatttta tgatttaaca aaattgccta gtgaagggtg 120  
 acccttttgag ggtgcattga ttgatgaatg gaaattctat ttctctgtgc atgatgcctg 180  
 ccggttggtt tgcaccaatc aagcggatat gaccggaaga cttcttgtca gttcattggc 240  
 ttttgagagc cgcacccctc attaccttat tgttcgcac cttactcccta gatcttcaaa 300  
 ccttgctcag gtttctgaag aagatctcat tgtcatgtgg gcctttcata aagggtttaca 360  
 aattgattgg gcacaccttg ntagatatcg catgcataag gcatngcgaa tgaatgcccc 420  
 nttgccttat cctcatctta ttactcttt 449

<210> 10859  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10859

tgaggataga gacttcccaa gctatntatc ttctctctca tattgctctt tctcactcta 60  
 agaagtggat tcactctttt gtcttggatg ataggaatga aggtccctac ccttatttat 120  
 actactccac cctcacaatg aatggtggag attacttgta tcttatggtg gagattaatt 180  
 ccttagaatg cttcacacat tctatgagtc tctacactct gctactccct tccatactct 240  
 ntcataaggt tctagaaggt tccacacatc tccagaatat tccagaggtt tctacattct 300  
 tccacaagct tctagagagt tctacactac tctagagttc tctaggacgt tctagaaaat 360  
 tctacacttt tctagaaagc tctagaattt tct 393

<210> 10860  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10860

tgctcaccac tatcagagga gaaacctttt tgttgtttca tataaacctc ctccctctaaa 60  
 tcaccattaa gaaaagtgtt tttaacatca atttggtgca actcaaggtc aaaatgagca 120  
 actaatgcc aagattatagc aagagaatct ttcttagata ctggagaaaa agtctctttg 180  
 taatctattc cttccttttg agtaaatcct ttagcaacaa gtcttgccct gtatctctcg 240

atgttgcccta atgaatccct tttgggtctta aaggcccat t tatatccaat gacctttgcc 300  
ccattatgca actctacaag gttccaaact ttgttactct gcatagaatt catctcatcc 360  
ttcatggcag tcataccata aattgactct ttacaactca tggccttgat caaaagtcca 420  
ggatcatnt cagctncaat attata 446

<210> 10861  
<211> 343  
<212> DNA  
<213> Glycine max

<400> 10861

tgggcaaatc cgaggactgg tgtacggagg cagcatcttc tctcaattgt agtcaaatgg 60  
atattccatt gtcttacctt ggaattcttg taggggtcaa ctctaaaaat aggtctgtgt 120  
ggcaccccat tattaccaa tgcgaggctc aacttacgaa atggaagcaa agaaatctat 180  
caatgggggg tagaataacc ctcatcaatt cagtcttaac agccttacc atatattgc 240  
tatccttctt caagagtcct aagctagcgg tgcagaagat tacatctata caaaggatat 300  
tttgatgggg caacctcaa gactccatta agaactcttg ggt 343

<210> 10862  
<211> 436  
<212> DNA  
<213> Glycine max

<400> 10862

agcttatctt gattgaatgt agcattttac ttgtctatat ttctaaatta tcatttctgc 60  
aaacgactca ttcagctctg acattatagt gtttgtctta ttgccattaa atcttacagg 120  
aatgtccttt tcataatca aggttttaga gttatacact ctatatgcct tggataattg 180  
agagtattca agtaagaatc cataatcaca tttggagtca aactctttaa agttatcctt 240  
gggtgttcaa atgaacgtt gacatccaaa tgggtggaaa taaaaaatat tacgcttacc 300  
ttcctttcac aattaatagg gagtcttctg taagattgac ctaatataga ctcttgtatg 360  
taaaaaacaa acagtgtgat cgacccgta ctcgatcaa ataaacatga taatgcagta 420  
actatgaagt gatcct 436

<210> 10863  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<400> 10863

gtcattctca aaccctaaga gtaggtctca taaaccttct cttgtattag cctatatatg 60  
 aatgcactct ttatgtccat ttgatatagc cgtcatttag gatgagcgaa aaaatcataa 120  
 taaaatgcgt attgcctgta gcaagcaaca tgagcataag ttctactata gatgatgcct 180  
 tacaactgtg agtaaccttt tgcaactaac cttgccttgc ttcgtacaac cttacatgcc 240  
 tcgggtcaact tgtttcgaat acccatgtag aacctccta 279

<210> 10864  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10864

tctaaacttt gtacaagaat gaagctctga taccacttgt tatacaagtg gcctcagata 60  
 tcttaagaag gggggggttg aattaagata ttcgaaactt ttctcctaata taaaaatcta 120  
 tcttactttt tacttaagggt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180  
 aatgaagcaa cttgaattat gaatataaag caataataaa taaaggagat taagggaaga 240  
 gaaaatgcaa actcagtttt atactgggtc ggccacaccc ttgtgcctac gtccagtcctc 300  
 caagcaaccc gcttgagagt tccactaact tggtaattcc ttttacaagt tctaaacaca 360  
 caaggacaac ccttcctttg tggttagagat tcttacaaca agagactcac agtctcttaa 420  
 tcccttagag aatgagaaga agaagaggaa canatctctc tagaaagaga t 471

<210> 10865  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<400> 10865

cacgcttata tctatgctaa aacctcfaat atttctgtca taaccgcatg ggtgcgcgac 60  
 atatacgaga ctacactctc taatctccct tactatgctg accatggagt agcggatgac 120

tttcttcaga tcgcctatgt tagtggatag atattgactc acaagaaatt acataatctt 180  
 tcttagatgt aacgcaaata cacctggacc gctttcttcc ttttccgaca cacctacaca 240  
 cttttctaaa ttatgaaaac atacacaaac tttcttagat atgatgcagc tatgtgagag 300  
 aagtcatacg caacaactat tgagtatttt tcatcaaaaa caacgcggtt ttgtctcttt 360  
 gactataaaa catgtttatt aaaaaaatat ttctgcacaa aatgcaaaca agttctcaca 420

<210> 10866  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<400> 10866  
 agcttcgtca tcatcatcaa ttccatacac ttcagtatta ttattgtcac catcaccata 60  
 gacggagcta caaaaattgt gactactgtc catctctaac attatatcgt ccaacttcta 120  
 cacaccaaca cattagaaaa taaataaaaa atacataacc taattgttgc ctttgaaaca 180  
 ccgtaatttc tctatcatta agtgcctgca atggtacaca acaatgacac tagtatcttc 240  
 cattaacaga agaagaatgg cagaattnaa ataagttatt attataaata gctttttttg 300  
 ttaaaaatat aattttttaa atactctata ttgttcatta taaattaaaa tttattacaa 360  
 aatatataat cttatagatt caacatttta tgcatacatt acataatttg ttaataaac 420  
 tttattatca ataaa 435

<210> 10867  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10867

agagcatact gcatttgaca acgaacaaac ccattgtctt ggaagtactt gtcaatgcga 60  
 gtattccatg ccctcgggtg ttgctttaga ccatacaacg ccttgttcaa tttcaagact 120  
 tttccttctt gaccttcgat gacaaaacc attggttgtt caacatagac atcttcttta 180  
 agatagccat ttagaaatgc cgattntaca tcaagctgaa aaattctcca cttcatttga 240  
 gctgccaaag aaataagaag acgaatggtc tccatgcggg caaccggtgc aaacacttca 300  
 tcataatcaa ctccatantt gtgctttag cccttagcta caagtcttgc tgtgtgtctc 360

tcaacctctc attttgatt c

381

<210> 10868  
<211> 317  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10868

gctctcgaga anacgagtg gtcataaatt ttcacacaga tgtccgattc ggggaaataa 60  
tatatcgaga cgcacgaaat tgaacaacgg aagctctcca gaaatttgaa tggtcataac 120  
atttcactcg gatgttcgat ccggggacat aatttatcga gacgctcgaa attgaacaac 180  
cgaagctctc gacaaattag aatggctgta acttttcacg cgaatgttcg attcggggac 240  
ataactcacc tagacgctcg aatatgaaca acgcgagctc tcgagagata tgaatgggtca 300  
taaagtttca cacggat 317

<210> 10869  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10869

ctcagcttaa catcagacca cttccagagt gctggaacta cttcacattt acttgatggg 60  
gcctatgcaa gttgaaagcc ttggaggaaa gaggtatgcc tatgttggtg tggatgattt 120  
ctccagattt acctgggtca actttatcag agaaaaatca gacacctttg aagtattcaa 180  
ggagttgagt ctaagacttc aaagagaaaa agactgtgtc atcaagagaa tcaggagtga 240  
ccatggcaga gagtttgaaa acagcagggt tactgaattc tgcacatctg aaggcatcac 300  
tcatgagttc tctgcagcca ttacaccaca acagaatggc atagttgaga ggaaaaacag 360  
gactttgcaa gaggatgcta nggtcatgct tcatgccaaa gaacttcctt ataattctctg 420  
tgctgaagcc atgaacacag catgtacat tcacaacaga gtcacact 468

<210> 10870  
<211> 355  
<212> DNA  
<213> Glycine max



<223>        unsure at all n locations  
<400>        10870

cttgaaactc agctttgctg cnacatttat atagaccctc tcagtgggcca aaccaacttc    60  
aatataataa ttatgagctt tcaagccaca gatataatcc aggttggaag aatcatccaa    120  
atctgagatg ggcaagtctt ccacaacaac aacagcctgt cctccttttc cagaatgctg    180  
ctgggtcaag caggccatat gttcctctc caatgcagca gcaacaacaa caacaaagac    240  
aacaagcagc tgaggccctt tctcaacctt ccttatagga gttagtggag caaatgatca    300  
tccagaatat gcaattttag taagagacaa gagcctccat tcagactctg acaaaa        355

<210>        10871  
<211>        262  
<212>        DNA  
<213>        Glycine max  
  
<400>        10871

attgatgaat tggagacact acctctgtag agctagattt gaggggttta gtgatacata    60  
aagtttgaaa tacctatttg accacaaaga actgaacatg aggcagaaaa ggtggatgga    120  
gttcttgaag gattatgact tagaagtggg atatcacctt agcaaagcca atgtagtggc    180  
agatgcttta agctgaaagt cattactcac atctgctatg atgattcaag aatgaaagtt    240  
gactaaagag ttcagagatc tg    262

<210>        10872  
<211>        332  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        10872

aaagattttg gctgggttatg ccataaacac attcctgatc agaaaagaaa gaagctggat    60  
gataagagtg agtcaatggg ttccataaga tatagctcta gtgggtgcata caagctgtat    120  
aatcctacca ccaagaaagt agaattcagc agagatgtat tgtttgaaga atataatgct    180  
tggaatccg ataattgttg ttcacgttaa gatcaaacag tggctgagat agatttagat    240  
ctagatcaga ctgcacctga tntagataat ggagaagaac ttggagagga actcaattta    300  
ccacttgcac cacctgtgga atctaatagca cc                                        332

<210> 10873  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10873

ggatgttgaa ttctggtgt tcttggtgag gagatgatgg tacagcgggt gaacccaaag 60  
 cygaagtttc ttttggtgag gtagccatgg aaaagcagag cgtttggaat gatttcgtaa 120  
 atctcagaag gctattggga aatgctggta taaacacgaa tgccaagcag atataaattt 180  
 gaatgaggaa tgtagagggg cgtgtgaagc aacggtcgaa ttttccttgg ttcagtagtg 240  
 aacgtgctat taatgttaag tgattcggtt gggcacgttc agattgctgt agntgctata 300  
 attcctctag cacacaaatg cccagcttgc cctcagttt ttcaaaactga ttgcatcca 360  
 aagcctttgt gaaaatatct gctatttgtt cctcagtgtc aacatgcttc agtgtgatca 420  
 ctttat 426

<210> 10874  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10874

tagaagcttc aagaattatg gcctcatcaa actacttgtt tcccaggagg aattctataa 60  
 atagacctct tatctttaat ggagtgggtt accactactg gaaaacctgc atgcaaatct 120  
 ttatagaggc aatagaatta aatatttggg aagccataaa acaaggacct tatgttcctt 180  
 ctataatagc cggaagtgc acaatagaaa aacctatagc agactggact gaggaagaaa 240  
 gaagattagt acaatataat ttaaaggcca aaaatattat tacatctgcc ctggaatag 300  
 atgaatactn tatgttttca aattgtaaaa gtgctaagga tatgtgggat acactacaag 360  
 taacacatga aggcaaca gatgttaaaa gatctangat aaacacttta actcgtgaat 420  
 atg 423

<210> 10875  
 <211> 448

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10875

ggagtttcca agtgccaatt cgtcttcttc ttatgtccag tcttcttctg acttcaattc 60  
atcaaggggc tttccttctg tgteccagcat cttgggatgt tcccagcctt tgatgacagc 120  
ttttcaggtt ctgctatcca gtgatttgag gaaggccacc atccttgcct tccagtattc 180  
atagttggtt ccattcagaa taggtggtct gttcactggt cctccttctt tctccatggt 240  
catcagaatt tatctcccta gatctcactc agtgatttcg agtgccctgct ctgataccaa 300  
ttgaaattct gatactgggg acagatgtcg tacaggatgt cagcacatca cgcttcagaa 360  
catgcagtat atatntgaca gtgtgtacag tgtanacaag aagataacac aagagaattg 420  
taacccagtt cgtgcaacct acctacat 448

<210> 10876  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10876

gatactcagc tggatttctt cttagaggga atctatcctt cctaagatgg tttctatccc 60  
agtccccctt attaagaact agctccttct ttcctctatt gccttttagtt gcatacacct 120  
ttgtttggtt ctttatttgg ttcccaacct tctcatgaaa cttctttaca aactctgacc 180  
taaattctcc ttctttatgt ataaaagaag tgtcaagtag gagggtaatt aggtctaattg 240  
gtgttagagg attgaaccca taaacaacct caaaagggga ttgcttggtg gttctatgga 300  
cccccttatt gtaggcaaat tctacatgag gaagatactc attccatgac ttatggttgc 360  
ttttcagaag agcccttatn aggggtgtata gagactattc actaccttta tttgcccatc 420  
agtttgtgga tggaaa 436

<210> 10877  
<211> 255  
<212> DNA  
<213> Glycine max

<400> 10877

tcttcataata ttgtgttttt gttgatacac aattttactt ggtttcatat gtgctctata 60  
aattgagttt tatttgtttg cataacttgt aggcaacaat aacgcaacca gttgttaata 120  
acatgatgaa tgtcttgtac ttccagatta ccgctggagc aataccattg taccttgttg 180  
cctttacagg aaactgggct tatggatctt ccacagaact gtatttgctg aatagagtga 240  
atggtcctag ttggg 255

<210> 10878  
<211> 393  
<212> DNA  
<213> Glycine max

<400> 10878  
tctgcgagca ttgttttcca gattccatat tctcatgacc tcattcttca gtcccagttg 60  
ggcataaaga gagatgatat gagtgtcacc ctggccatct ttgttgcca gcccttcttc 120  
agatttctct agggcacaaa ccgcattcct tgtaagtcct gcttatatgt aaaaaatggc 180  
cgcaatagaa taagtattcc agtccatgac aatgtgtggc tgagtctaca tctctttcaa 240  
tactttttcc actccaccaa aatcagacct cacaccataa gaatttatac agatcctgta 300  
gtggaagttg tctggcaaga cttgggtctg ttcatctca cgaaacacat accgaacctt 360  
ctgatgctgt ccaatatttg tatatagaca cat 393

<210> 10879  
<211> 363  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 10879

tattgtgagg aaatatggta gtgccataga cactattatt accatgaact gcatcaatcc 60  
catagatgag aggtattccc agtcgcgact gaagagctga tttttgaaag ccattccacca 120  
tatcagccca atcagacgac agtgcatctt caaatgggtc actgccacca gaactgagta 180  
tgctccctat agagtgcaca aataatcaaa cgccaccctt caaattcatt tcaaattcca 240  
acaggttcaa agcttgaaca aaatgtagac acaaattggac catgtaatac atcgatacaa 300  
aaacatcacc aatgttccca ttntcaagac aactctcaa taggggtccc tcaaattcat 360

<210> 10880  
 <211> 474  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10880

ntnctgacac actatgtctg caacattata actttattat tttttgtttt gatacctact 60  
 tttcttttgc atcatcatca aatttaattt gtacgtgttg atgattcact tttttttctt 120  
 atattacttt ntacctcagg cacttgcttt taattttaaa agataacaaa tattatataa 180  
 tattatatct acataatcta cacctatatt ataattntta tttttcacct atattataat 240  
 tgtttatttt caacttattt ggcggaatgc actcaactta aactagtatt aactaaaaa 300  
 aaactaacta aaaatcatta ttattatant tttaaataat cttacacgat ggtcgaaaat 360  
 atcacttagg ataaattgga gtaactntat ggatcccata attggtaagg tagtaacaat 420  
 aataatacac cagagcatga gaatgagaag acagtcacat ctaaattaac cttc 474

<210> 10881  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 10881

tactctcat gcttctcacc atgtctaata aagttttatt tcttcgctct accacaccat 60  
 tctaattccgg agaaccacgc atagtgtatt gggcaacaat cccatgttct tgaagaaatt 120  
 tcgcaaatga acctggtgct tgtccatctt ctgtgtatct accatagtag tccccacctc 180  
 tatctgatct cgcgagctta atttgttttc cacattgttt ctcaacttca gccttcaaaa 240  
 ctgtaaaggc atctaaagct tcattcttag aatgaagata gtggagatac atatatcgtg 300  
 aataatcacc tataaagggt atgaagtacc ttcaactat 339

<210> 10882  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 10882

tcttcagtc cctgcggcat gcaagcttct gacaatggtt atgtaaactc tcaacaacat 60

taattgctat tggtttctct caatcaaaga atgactattc tctntntacc attgacaaaag 120

gtgtctccct ggtgtgtctg ttggtctatg tagatgacat ttgtgttgcg ggcccaagtg 180

ctacatgtgt tcattctatt caggccaagc ttcaagcttt gttcatacta aagatccttg 240

gttcottaca atattttctg ggcctagaag ttgcanagtc tagaaaagggc gttgtcttga 300

ctcagtgaan atatgccctt tctctgttag aggatactgg ttttctttgc tgcaaaccat 360

cctcccttcc aatggatcca aatctatagc tcaacatgct tagtgggtgat ttactgcccg 420

atccctcaat gtacaagcat ttacttggtc gctcatgta cctaactatt tcaaggccgg 480

atattacat 489

<210> 10883

<211> 214

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10883

ctgcaagctt gggagacctt actacttgca gtggtatctt tgggtggatt ttctgcgtat 60

gcatggtagg tcngctctaa ctgcaatggt atatcgaaag gtgctaagga tatcaaactt 120

ggccatacta agtcacacga acagggatgt tagaaactac atggcacttg atcgtcttag 180

ggccagagac tactatcggg atgttcatga catg 214

<210> 10884

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10884

agcttgca canggatnt atctgcaact tcaaaactat gaggctgagt cataaatata 60

tatccctcaa gcaaccatt aagaaaagca ttgttgacat caaactgaaa taactccac 120

ccttgagaaa gagcaagagt gagaataaca canattgtga caggctcgac cacaggaaaa 180

aatgtctcat gaaaatcaaa tccatgaacc taatgaaaca aacccttat caaccagtgt 240

ggctttgaac ttgttgatag aaccatcaac atttctctttt actctgaaaa gccatttgca 300  
 cccaatagct tgccatttag gaggtagggg aaccaagtcc cgagttctgt ttacagtaa 360  
 agcatcatat cctctttgca tagctgtaga ccaatctgaa tttccaggg cctctttgac 420  
 agtcttgggt tcaaatg 437

<210> 10885  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10885

tgtcaaagtt agcatggatg gaggacctta cctccgcana gttgtcttga agatgtacaa 60  
 gagttacctt gagctctctg atgccttgng caaaatgttt agctccttca ccatttgtaa 120  
 ctataattaa tccataattt accatacatt aactnttttt tatatagaat ttaatgactg 180  
 atcataactt ttacgtatca gtatctagtt tgttttctct ttaataatac taccaaaaga 240  
 tatggatctt aaatntgatt ttgtagaaa ttaactaatg gtgtatgtga atataaaatt 300  
 gaatcgtgca gctgattcga tggatattaat tattgggtgtg tctttgatat atttaaggaa 360  
 attgtgaatc ccaaggcttc aatggattca tgaatgagag caagttgatg gat 413

<210> 10886  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10886

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 attgtntaca aatgtttgtt gcttttagcag tttttccatt atgattacat tatatttttg 120  
 ctcttcttgt ccctaaagtt gaaatatcac gacactggaa gagagaaaga atacttgcca 180  
 caagttgggtc agtgaatat gatgaacaag gtcagctaag aatgaacaaa taatatatta 240  
 gatgtaatta tcttaatgaa agaaaataaa agggaaaatt acttgtttcc aacttactgt 300  
 aattcctgta attntaatgc agaaagttat aaatggaagt actgtaagat attgngcgtg 360  
 tatcaacttc tctcgaagtg tacaggagag tacagctcgt ggattt 406

<210> 10887  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10887

ngaaggcaaa ctggatgcat tggttaactc gcgtaccag ctggccttga atcagaaaatt 60  
 tgtacctgtt gcaagggtta gtggtttgtg ctctctgtct gaccaccata cagaccattg 120  
 cccttccatg cagcaacctg gagcaatcga gcagcctgaa gcttatgtctg tgttagtgct 180  
 tagctatact gagttttaaa agattggcta aaattttgtt ataacataag cacttatata 240  
 atgaaggaaa gctggagttg ctgcacatga tgtccaacgt tattgtaagg aatcatattg 300  
 tgctccacaa tgcacaatgc aagatataat gtctaataaa gaataagct gcaggatcac 360  
 catgttgata caatgccaga cattctgccg aaatactgac cataaattgt gtatcttaca 420  
 gataat 426

<210> 10888  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10888

tgtaatcgat tacacacata ttataatcga ttaccagaga agtntttcag aaaacattct 60  
 caacagtcac atctttntct ctgattctta agtggccatc aaaggcttat atatattgta 120  
 ctagagacac gaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180  
 caaaattgtg ttatctctctt acaaattcct tggccaaaac actcgtgatt caataaggga 240  
 attattgagt gctcaaatng ttcaatctat ctctntcaaa agagatttct tcttctcttc 300  
 ttctttatct tgaaaaggga ttaagagacc gacggtctct tgttggtgaaa ggattctaaa 360  
 cac 363

<210> 10889  
 <211> 431  
 <212> DNA  
 <213> Glycine max



<223>        unsure at all n locations  
<400>        10889

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agcttcttag tttcagatga tgcagatggg ttgttttcta cctcatgcac tcttctaag 60
actatggcat catttctggc gctaaactgt tgggagttgg aggccatctt ctcaattaaa 120
tttctggctt cagcaggagt catgtctcca atggctccac cactggcaac atctatcata 180
cttctctcca tattactgag tcttcataa aaatattgga gaagaagctg ccttgaaatc 240
tgatgatggn ggcaactggc acatagtctt ttaaactctt ccagtactca tacaagctct 300
ctccactgag ttgtetaata cctgagatat ccttcctgat ggctgtgggc ttggaagcaa 360
ggaaaaattt ctctaagaat actctcttaa tgtcatccca cctcgtgatg gaccttggag 420
caagggaata c 431
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<210>        10890  
<211>        395  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        10890

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ggctaattga agatcttcta cttgatattc acccttcgct agtagcatta ccaccttgga 60
gtcgcccttt gccaccagat ctttaactct tgtttcccta gtgagccaca tgctggcatg 120
taatgcctta tatntggctc ggggtgtggg aaggctaaag ttgaacttta anggattttc 180
aatgatgact acatcgagac cttcaaacac aattcctgct ccattgcttg cactgttcat 240
cgtgttggtg acaaatagta tccatagaga taaggatacc actatgtaag ttccaccatg 300
aaatctatga gggctttccc ttgactgcc tcttttttcc aaggacaatg tcgtacttag 360
ataattctat tgaccatttc atcatccttt caact 395
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<210>        10891  
<211>        284  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        10891

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gatcttatgc agaactctct gttatagaag aggttgatgt tgtcttanaa ctcatthaaga 60
agacctgngt tatgcttgga attaatgaga tgctacacta atatttgttc tcatgggtct 120
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tatttcatca gtatcttgtc actggccaag tggagaatga tcttctgttt gcatccagta 180  
 atctattggc agaagttggg aaagatactg gaggetcaaa agatcctatt tacacacaaa 240  
 tcttgaggaa cacattgagt ttgatactaa gttgggcaga gaaa 284

<210> 10892  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<400> 10892  
 tatgcgcaag aaccagtcg tctagtggaa tgacgactgt caagtgggtt tcccccggt 60  
 cttatgtcgt tgggtgccag gagaccctt attctataca tgactgtgtt ggatgggtcg 120  
 atgggggtga tgctggggaa gcatgtcttg tccggaaaga gggaacgggt tgtctactac 180  
 ttgagcaaga agttcaacac ctgtgagatg aactactctt tgcttgaaaa gacatgttgt 240  
 gccttggtgt gggcggcaca tcgtcttatg cagtacatgc tgagccacac cacttggttg 300  
 gtatccaaga tggaccagtc caagtacatt ttgaaaagc ccgttcttac cggacggttc 360  
 gtccagtggc aggttctgct atcaaagttc gacatttctt atgtcactca taaggcgata 420  
 acggtaagca ccctttccga ctatctagct cagtagcccc ttaatgacta ccaactcatg 480  
 ca 482

<210> 10893  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10893  
 attntacttg tttaaaaagt atattntatc atcaaaaact ataaatntat taaaaaaaac 60  
 tacttttata actatatttg aaatattcat atttatgact tataatttaa gtattttttt 120  
 aataatgaaa acaactacgg ttataacgat taatcatcaa aatgaatact tttgaatgca 180  
 atacaataat acattggtat gtcaatacaa taatacaaca aactattgta catgcatgat 240  
 tcactttcaa tggttgtagt ttcttttgcg aatccctcac aatcagagtt tgtaagggat 300  
 tagaaagga aggtttcatc cctaacacta ctactaaaat aggattttac aatgttgaac 360

caacaacaat tttagcaaat attttgaaaa naaatagtca caactttata aataatcgca 420  
aatattttaa gaatggtttt tc 442

<210> 10894  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10894

atctctgagt cacctgcggc atgcaagctt attaagttat taaattaaat cactcatgaa 60  
ttttntcttt tttaatcttc atntatttta tgttttctca tgttaataca atacttttct 120  
ctatctaaaa taaaaaata tcgtattacc attgaaatca ttaattctat tagtcaaata 180  
ttgtcacaat ttgatctctt ttgtgtgcat ttagtcatta tattatatac ttataaattt 240  
ttagggaaaa acaaattatt nattctanaa aatatacttt tacgaaaaga aatatttgta 300  
aatattttaga cctgattaat ccaacccaac ccatttatga ttgggttggg ttgggtatga 360  
aaaaaattat acaaaccgca ctagggatgg caacggngca ngtcggngat gagtttgacc 420  
ttccccgtcg agttttatag ggtttgggta tacctgcgag taaccacta cacta 475

<210> 10895  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10895

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tctctaagcc attgttcctg ctaetnctca tccctctgat tcagactggc ccattgccat 120  
ccgcaaaggt actagatcct ctcgtaatcc tcacccatc tataactctc taagctatca 180  
tcgcttgtct ccttcataatt cttcttttgg gttctctcta tcttcgcatt ctggcccttc 240  
taatattcat gaggcactga ttcacccctg atggcgacag gctatgattg atgaaatgca 300  
cgctcttgaa catagaggta ctagggaact tgtatccctt cctcctggca agaaagctga 360  
gggttcgaga tgggcttata cagttaaagt tgggcctaatt ggtgag 406

<210> 10896

<211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10896

atcctctaag cacctgcang ctgcagcttg gtattaggta aacaattaat taaaccttgt 60  
 ctttgnnggt tgtctccttg aggaatctgc cagcacttgt ttattgtatt gatatgaaa 120  
 tangactgga tgattactta attgctactt gtagtcatat taagatatgt gacctcgtct 180  
 tgattttctt tatttgtaag aaaaattgct tgtaaatatt taattaatag ttgggttgca 240  
 attaaatatt atctgagcta tacttgtaa aataaatcat attaatagat tcgtgtatag 300  
 attaaaataa aattagcaag ctattagaaa tgttgctata tgtgtgagaa aatgaataac 360  
 tggagttaaa ttatatagct agaggagtgt aagattaaat taattaatta ggtgaagggt 420  
 agattatggt aattaagtta gt 442

<210> 10897  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<400> 10897

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 tcattatgga gaatagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120  
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcctccattt aaaggaaaga 180  
 atgatccgga ggctacttg gagtgggaga tgaaaaataga gcatgttttc tcatgcaaca 240  
 actatgatga ggaccagaag gtgaagcttg ccgccacaga gttttccgac tatgctcttg 300  
 tgtggtggaa caagctacaa aaggagagag caagatatga agagccaatg gttgatacat 360  
 ggacggagat gaaaaagatc atgatgaagc ggtatgt 397

<210> 10898  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10898

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 cctcggtacc ctgtcagata caatactgga gggaattcca tgcaacctta ctacttcctt 120  
 gatgtacaac tccactagct ntccattct atacttcata ttcaccgga taaaatgagc 180  
 agatttggtg agtcgatcta ctatgacca cacagcatca tgttcacgac tagtctgggg 240  
 taaactagat acaaaatcca tagatatgct ctcccatttc cattccggaa tttccaatgg 300  
 cttcaattct cctgatggtc gctggtgctc aaccttagcc ttttgacatg tcanacatct 360  
 tgctacatat tcagctacat ctttcttcat accatgccac caaaaacttc tcttcatatc 420  
 ttggtacatc 480

<210> 10899  
 <211> 458  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10899

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 aggtgtgaac tttagctntt attcttgtgt ttttttgggg ataaaatatt gtgagggtcg 120  
 aaatacagaa ctggaggatc tggaattnta attttttctc ttcgtattac tgattatata 180  
 agtcctcatc tggttntgtc caggagaaac ttcgggaacc acagctacat tcctaatagt 240  
 gytatagggtg actgtgactg ttgcatctgt tggagattcc cgttgtatac tatataccca 300  
 ggggtggtgt gttacctcct taactgttga tcaccgactt gaggagaata ttgaagagta 360  
 tgtttttatc tctaaggccg tagttggtaa cttctttgta tgctcttggn tacgaagtac 420  
 actgtatgca cangaggga cgtgtcactt ctagtgga 480

<210> 10900  
 <211> 384  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10900

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 tggcatcata tctggcgcta aactgctgtg gagtggaggc catcttctca gataaatatc 120

tggcttcagc aagaatcatg tctacaaggg ctccaccact ggcagcatct atcatacttc 180  
 tctccatatt actgagtcct tcataaaaat gttggagaag acgctgttct gaaatctgat 240  
 ggtgagggca actggcacat atgttcttaa atcgctccca gtactcatac aggctctctc 300  
 cacttgagtg tctaatacct gagatatctt tcttgatggc tgttggtccct gaagcacgga 360  
 aaaaaatttc tagaatactc tctt 384

<210> 10901  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10901

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 atgaagtatt tcggactata tgcattccatg tctggacaac atatgtctgt atgtatgatt 120  
 tctaataaat tagaactcct ctttgcaccc ttttttagact tgttagtttg cttaccctta 180  
 atgcaatcta cacaagtctc aaaatcagcg aaatccanag tactaagtac tcttctattt 240  
 actaatcgct tgattcttca atagagatat gtctaatct ccggtgccac aacatagagg 300  
 attcttcatt cacaatacat cgtttttaacc caacagaaac gtgcatagaa gtgcgcctcat 360  
 tttgcaattc aatcgaataa agacca 386

<210> 10902  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10902

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 gtgactagag acacgaattt aacaagagtt ttgaagaaca aaaaggctct atctctctta 180  
 caagcaaaat tgttttatcc tcttaccatc tcttggcca aaacacttgt gattcaataa 240  
 ggaattattt gagtgctcaa attgttcaat ctatctcttt canaagagat ttcttctctt 300  
 cttcttcttt attctgaana gggattaaga gaccgagggc ctcttggtgt gaaaggattc 360

taaacacaaa ggaaggattg tecttgtgtg tntagaactt gtacaaggaa tatacaagat 420  
 agtggaaactc tcaagcgggt tgcttgtgga ctggacgt 458

<210> 10903  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10903

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 ggcaaaaaaga aatcacattt ttaattaatc tcaggaataa agaaaaacaaa aaaaatattt 120  
 gatgggtcaaa caaggaaatt atcaacatgc cttaagatac agtgtaaggc gagttcctct 180  
 tggaaatcagc ttctcgggat ctgtctctctc agatattgta tatgagctag catttgcttc 240  
 ccttcccaa acatattgct tatcggtatt tggactcttt gttgagacaa ccaccttcaa 300  
 acaacaaaaa attatataaa taccagatta aacaaaaata ttaagagca tcacatattt 360  
 acttntacaa anatgcatac ccgatcagaa accagaaaag cagaatataa tcccacacca 420  
 aattgaccaa ttaa 434

<210> 10904  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<400> 10904

gctattcttg tctatttgcg ttgttttta aactttccca gtgtttgtaa gagaattggg 60  
 ttcatctctt gttttaaaat taggagaaaa cattattact ttttttctaa ttattctctc 120  
 agtctcaatt tagttatctt atttttaaaa tatttgtttt gggtcatttag aatgagttca 180  
 atttcactct ttacaatgat taatgtttta gatttttttt acaaaatata aaaaataaat 240  
 acttcaaaaa aaattaatat ttattagaga cagtcttact aaaatattct tattctctct 300  
 cctaatttca ataaaaatta ttaaatcttt taaaatatca ttatttatta catgataaaa 360  
 ttaaaaataa tgtttgaata tcta 384

<210> 10905  
 <211> 463

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 10905  
  
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 atacatttca aatctttaat tctctagtag attgtagata acaagattat tttaaaaata 120  
 aaaagacaat tgaacttatt ctattaactt tgttgggccca caagatatga caaaaaatat 180  
 aattataaac aaagctggca taaataaaaa ctacccacc ttgtatatat aatatactaa 240  
 aaaaccaaat aaagaaagcc gagctataca taactcaagt ctgactaatt tatttaacga 300  
 gctcaattnt tagctcaagt ttagctcatt tgattaatga actaaattca acgaattaat 360  
 tatcaaatca agtggtgact atctgtgagt tgtgttgact cattaccact atgaaatgtg 420  
 actatagagt tcaagaccag atctacccat ttgcatgtaa tcc 463  
  
 <210> 10906  
 <211> 473  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 10906  
  
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 catatctatt tcagacctct agtgcaaagc aagaatattt tctgagcccc ttttagcttc 120  
 argatattca ttgttgtgga tgaacttccc cagcaactga gtgtctaaca tgctgtgtcg 180  
 agcaccatat tctcttatcc ttccgatcaa taacgagccc atttgtttga attttggcac 240  
 gaactctaaa gcatggaaaa tacatttgca tcttaacctc tgcgaaatgca attatctcaa 300  
 acatatataa atgccttgaa ccttttataa catttaagtt aactactatt atatgaataa 360  
 atgaagagtg aagatctgat gcanacaaca ccaagtgttc tgatctgatt accgcatagt 420  
 gaaaatgaac aatatctgtc cacatggtag tgtttggtgg aaaatgattt gtg 473  
  
 <210> 10907  
 <211> 377  
 <212> DNA  
 <213> Glycine max  
  
 <400> 10907



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 ttgctgatcc aagcacgcca tatgttctct cttcaatgca gcaacaacaa cagcaatctc 180  
 aacaagaca acaagcaatt gaggtctctc ctcaaccttc cgtagaagag atagtgaaggc 240  
 atatgaccat ccaagatatg ctatctcagc aagagacaag agactccatt cacagtctga 300  
 caaatcagat ggtgcagatg gctactcagt tgaatcaagc tcattcccaa aattctgaca 360  
 aatagccttc acaaaact 377

<210> 10908  
 <211> 468  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10908

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 gatactcact tgtagacaa gtggcctcag atatcttaag aaggggggggt tgaattaaga 120  
 tatcccaaac tgtttccctt aattaaat ctatttctact ttttactcaa gttatgaatt 180  
 cccttaatga caatcttctt aaatattaat tcaaatgaag caacttgaat atgaatataa 240  
 agcaataata aataaaggag attaaggga gagaaaatgc aaactcagtt ttatactgggt 300  
 tcggccacac ccttgtgcct acgtccagtc cccaagcaac ccgcttgaga gttccactat 360  
 cttgtaaatt ccttttaca gttctaaaaca cacaaggaca atccttctct tgtgtttaga 420  
 gatcctttac aacaagagac tcacagtctc ttaatccctt agagaatg 468

<210> 10909  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10909

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 aagaagatg atnggagatg ccacttcaag gagaagatga gtcaagaaca agctcaccac 120  
 cataagaagc catggataag agcttgaagg taggagaaga tgagtggagg gagaaggaga 180

gaacgagcac gaaacttagt tcttcaaagt aggtatgaac tctgaagtgt aattctcaaa 240  
 tgatcaaaagt tcaaaaaata cacacatatg gcctctattt atagcctaag tgccacacaa 300  
 aattgtaggg aaatttgaat ttctattcaa atntcacttg aatntgaaat tgaatctgtg 360  
 gagccaaaat ttcactaatt atgaatagtg aatnttagtt atgggtcagc ccactaatcc 420  
 aagatcaagt ccaa 434

<210> 10910  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<400> 10910  
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 gaatggatca gtaaccggat ggttcttcat caagaattaa ttttaaaaag tcccattagt 120  
 tctggaatat atatttactt attcaatact gggcgtaag agatgaacat accaggcaga 180  
 ttgcacaagc ctcttcttct tgactttgct cagatgaaca gtatattgtt tctgtcaaat 240  
 acttggaagt caaatectca gacaatectg tgctcacatg gcctattctc tctccaagt 300  
 caagtagttc ctggtcgagc aaagca 326

<210> 10911  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10911

agcttaagct ccttcaactg tacaaggctc ttaatatattg aagagtatcc ttggggaacc 60  
 ttccccgcac aaagacactg acaaaaactt atcttctcct tnttggacaa agtatgacaa 120  
 gctgggggca aataaatttt ctcccatct gaccttgat gcaactgtga tcatatcccc 180  
 atctcagcta gatcatgacg ggtattcaag ccattcctcg tcttgccctg aatgttaagg 240  
 agcgtcccaa tgacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300  
 ctaacgtcta gattagacca gtacggaaga tcaaagaaaa tggacttctt ctcccatatg 360  
 caagtcttac ttttatcctt cttttgggcc ttcccaaata cagtattcag gtgttgaacc 420

<210> 10912  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 10912

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 tggacctgaa atgctacaac agattaatga acaagtgaag ttgattcgag agaagataac 120  
 agcatccac gataggaaaa agagctatta tgatagaagg aggaagccac tacattttca 180  
 ggaaggagag catgtgtttt tgaaggtttc tcccgttaacc cgggtcggaa gagctctcaa 240  
 atctaggaag gtgacgccca agtatctagg cccgtatcag attttgaaga agattggggc 300  
 tgtagcttat catatcgctt tacctccgag tttatcgaat atgcactctg tgtttcatgt 360  
 ctctcaactg agacgggtaca acccatatcc atcacatata cttgcagtgg atgaggtaca 420  
 ggtgaaagat aacctcacct acagagcaca acc 453

<210> 10913  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 10913

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 atcaaagaat gactattctc tctttaccat tgacaaaggt gcttccctcg gtgttctggg 120  
 ggtctatgta gatgacattt tgcttgctgg ccccgatgct acatgtgttc attctattca 180  
 agccaagctt caagctttgt tcatactaaa gatccttttg tccttacaat attgtctggg 240  
 cctagaaatt gaaagtctat atagggcggt gtcttgactc agtgaaaata tgccctttct 300  
 ctgttagagg atactg 316

<210> 10914  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations  
 <400>        10914

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 atgagggtcat ttcttcattt agctttgaag agaattgtcat ggatcactgt atataccaga   120  
 aggtcagtggt gagtaagata tgtttccttg tattatacgt agataatatt ctgcttgcca   180  
 ctaatgataa gggatgcta tatgagggtga aacaatttct ctaaaagaac ttgatatga   240  
 aggatatggg agaggcatct tatgtcatag gcataatgat ccataaaaaa agatctcgag   300  
 gcatttttagg cttgtctcaa gacacctata tcaacaaatc tttagagaga tttaatatga   360  
 aagaatgttc accaagtgtg gctcccatcg tgaagggtga catacttgct ctgagtcagt   420  
 ccccaaatg atntgagcgg aacacatgan aatattatat gcttacagt                    469

<210>        10915  
 <211>        448  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        10915

agcttcacgc ttaactatgt atggaaaaac ttcattactg ttgttcaaga catacaagtg    60  
 agcttgtaac aaatcttcta cacttgaggt gatcgcatgc agtcctcttg aacccttacc   120  
 acccactctg tcatcatgcc gagactcagg aagcccaaca ggtttagcct tctctaagta   180  
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaataa atgcttcttg   240  
 acgatataga ttctttgtat acccttttaa gatcttcatg tatcgctcaa ccgggtacat   300  
 ccaccgtaga taaacaggac cacaacatnt gatttctctg accagatgca caatcaagtg   360  
 aatcatgatg tcaaagaaag canggggaaa atacatctgc aactggcaca gtataattgc   420  
 ggcttcattt tccaactcat caaacatg    448

<210>        10916  
 <211>        445  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        10916

agcttggtga ttcaatatcc tgattagggt gttccatatg ttctcaagac tggactaata    60

catttgctac ccaatgaagc cccctaagt ctaagaagat catatcttaa ggagttccat 120  
 attgtttgtt ccaccatgaa gcccccta atgtctaagaag atcatatctt tctaaaggct 180  
 tttctcatt ctctggaggg agtgggcaaaa gattggctat actaccttgc tcccaggtcc 240  
 attttcagct gggatgacct taagagggtg ttcttggaga aattcttccc tgcattctagg 300  
 accactgcca tcagaaaaga catttcaggc attaggcaac ttagtggaga gagcttgtat 360  
 gaatattgng aaagattcaa gaaattgtgt gcaagctgtc ctcaccacca gatttctaag 420  
 caacttcttc ttcaatatct ctatg 445

<210> 10917  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<400> 10917  
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 gttgataaga taaacacttg aagtgaaggc atggtoctaa taatgagaag gcatgttagc 120  
 ttgagagagt aaggtaagac caagctccac tatatttgaa tatttgaact gtttaaaat 180  
 ctccaatgtt tctgatttac tttttagtat acctagcaga ttggcttatt tcattcattg 240  
 tytggaatga aaacagggga ttcaagcttg aatgctatta gagtaggtat tgcagatcg 300  
 gagagagtga gagaatgaga ggagagagaa acagagggtt ggagagagtg agaggtagag 360  
 graaggattt cgagagagac aaagtgaac tgagagagag gcaccaatac acacaaacca 420  
 gactcagggg taggactcag ctacactaca accaaacaaa ctggag 466

<210> 10918  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<400> 10918  
 tgcacagcat gctgatactg atcatgcata tttgtttgat gatgaccgag gaacaatttg 60  
 ggatcaactt gaaacttatg tgcctcaaga gagaagaaaa gctgcttatt ccactcgtga 120  
 agatgatcaa aggtcggcta tgaagatggt tcaaactgag aaacatttgg tattaccatt 180  
 ggtttataaa cttattgagc taactttgat attgccggtg tcgacagcat ccgttgaaag 240

agctttttca gcaatgaaaa ttatcaagtc taaattgcgc aataagatca acgatgtgtg 300  
gttcaatgac ttgatgggat gttacaccga gcgggagata ttcaagacac ttgatga 357

<210> 10919  
<211> 317  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10919

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tcgattacca atgcttttaa atggttaaaa atgattttgt aagtgtgtaa tcgattacac 120  
atcatatgta atcgattacc agagcttttg aacgttggac atttgaattt tgaataaaaa 180  
taactgtgta atcgattatg ccaatgttgt aatcgattac caaagaggat ttctgagaaa 240  
atctgcgaac agtcacaact ttctattgga tttatgaatg gccatcaaag gcattttaat 300  
aggggtgact tgggcac 317

<210> 10920  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 10920

agcttcacaa gcaatgtatc tattgcaaca tgtatgaata tttattatac attaagtaga 60  
ttataaatat aaaaaattca tatgaggaat aagagttaaa attgaacctc tccaaatttt 120  
gaatctgatg aagtaccctt ttttgaatcc ctgtgccaaag tcaacattta aacttgaatg 180  
atataaaaaa gaaaaagtaa aagtcagcca cattcagagt tgctttttatc atactttgca 240  
tcaacgcctt ttatcaaggt ggagaatact cggcatttcc catctgtgga tgttgttagca 300  
agaagaatct gcagttttaa gaaaaacaaa ataaaaacaa agaagatgag catagggggt 360  
tttacatcaa ataacaata tatttcaaaa cacaattatc taagatttga ttctg 415

<210> 10921  
<211> 346  
<212> DNA  
<213> Glycine max

<400> 10921

tgccaccatg gagttatcca actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcaagaaat gaagagccaa tgggtgatac atgggcagag atgaaaagga tcatgaggaa 120

gcagtatgtg ccagctagtt actcaaggga ttgaaattt atgctccaaa aactaaccca 180

aggcaacaag ggggttaagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

gattgaagaa gatgaggagg taactatgga tcgatttctt aatggtttga ctaatgatac 300

ccgtgatatt gttaagctgc aagagtttgt tgaaatggat gatttg 346

<210> 10922  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<400> 10922

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aagagggaga gaaggggggc acgaaattta tgcctcagat gatgtatgaa ctttgaagtg 120

taattttctca aatgatcgaa ttgaaaaat tgcacacaca agacctctat ttatagccta 180

agtgtcacac aaaattggag gaaaatatga atttcacttg aatttgaatt tgaatttgtg 240

gagccaaatt tggaacaaaa atttcactaa ttatgattag tgaatttcag ctatggttta 300

gccactaa 309

<210> 10923  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 10923

agcttgcatt tgtggaagat taaacccga aagggtatat tagagcacct cactgtgcta 60

ttaacatcaa accaagtaaa tattataccc ttgcaaagga tagtttagta caccctcggt 120

gaaatagatc caactacaat accacaacat taaacaataa taaagaattt aacttggaa 180

aagaaaacac tcatgaaatg attagatcat tatagcccag taaagggccc caagatcaac 240

ggtttcaaaa aaactgtaca cgatctcatc cacaaaatat ttttactcac aaaattttta 300

aaagaaaata taaacaaaac aaactaaaa tagagagtta gggggtatat tgaattagga 360

<210> 10924  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<400> 10924

tgtggccctt ttgatttttc taccacccgc ttgcttggga ctgtccctatc ccaaaccata 60  
 tgaacatca tagcaactca ataatcaagt gtgtgacag cctaaccctt cgatcacaaa 120  
 gaccctttgc agtgtaaaac ttgctgtgcc tatcttttct acctgtggac cgaacaatgt 180  
 gccctacttg g 191

<210> 10925  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10925

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 actttctccc ttgttgggtc tgattagcat agctcttatt ctctctctca atttgatctt 120  
 tgactctctc atgaagcttc ttcacatagt ccgcctttgc ttgaccttct ttatgcttaa 180  
 aaacagaaac attaggcata ggcaaaagat caagaggagt tagtgggtta aaaccataaa 240  
 caacttcaaa aggagaacaa ttagtgggtgc tatgaacagc tctattgtaa gcaaattcaa 300  
 catgggggtta acaagcttcc caagttnnta agttcttctc caaaactgtc ctaagcaaag 360  
 ttcccaaagt cctattaaca acttcccgtt gcccatcggg ttgtgggtga ccaagtgggtg 420  
 aaaataac 428

<210> 10926  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<400> 10926

tgccataatta aagcgcaatg gaagacccat ttgtctcat acccacacac aatcgcgggc 60  
 cagggattca caacggcaca toccgatgta atggcagcga acccgccaag caagccgtta 120



cacacgtcaa tcacgttcca gtggccatcc aataaccgct tgctgaacaa cgtcgtcaga 180  
 gcgcagtgcc tcccagccaa tgtcgtcgtg acagctgtcc tccctatagc gctccattga 240  
 ccataatacc ctccacttcc atacccttg gctattgtca gaaacgaacc atgggtgaag 300  
 ccgtaccagc cgaaccataa caaaaacgaa ccaagcaca ctaaagacgc gctgtggcca 360  
 cgtaaagcaa ccg 373

<210> 10927  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<400> 10927  
 tacatcaaca tcgattgac gatcatggaa atgatccaaa gctaagttgc tgtgaacata 60  
 gtgtatatgg aaaccacaat agagttagct tccattgtgc aactctcaca actcaggga 120  
 tcctatatta tgtacactct gatgtttggg ggccacccca ggtactctca ttaggaggag 180  
 caaaatattt cataactttc attgatgatt ggtctaagaa agtctggact tatctgtcga 240  
 aacataaaaa tcacgctttt aagtgtttca aacaacggaa attgcttggg gagaatcaaa 300  
 ctggtaggca tgtgaaactg ctacagaactg ataatggcct cgaatactta agt 353

<210> 10928  
 <211> 391  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10928

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 acataagctt caaccaatta acattgtttg aatgacaact gttgtagttg gacagcaatg 120  
 acatagtttg tctccatgg tatgctttat gttcctattg gttatagttt tggtagctt 180  
 tatgttccca ttggttatag ntttggtatg ctttatgttc ctattgggta tagctttggg 240  
 gctagaatgt tcaatttggg gtccacaaga ggaggatctc catattgtgc tggagttttt 300  
 gttggagatg gtacaagaca agcaagtga atggagctgg agcttgcaga gtatcatggc 360  
 aagtatatat gaaattaacc cataaaagct a 391

<210> 10929  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<400> 10929

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 cagacactat gctagatggc acaccatgta atctgacaat ctactaata tataggagg 120  
 tcaacttctc caaggaaaat ctgatattaa tgggaataaa gtgagtagac ttggtcagtc 180  
 tytcaagaat aaccagatag aatctaaacc tctaggagtt ctaggtagtc ctacaacaaa 240  
 atccatggaa atactgtcca cttccagtgg ggtatctcca aggggtgtaa cttccctgaa 300  
 ggtctctgat gttctatctt agccttctga tagactaac atgcatacat aaactcatt 359

<210> 10930  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10930

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 cgagtccaac caaccaatcc caaacaaggt cgtattccat cgaatttttt ggtcatttaa 120  
 ggcattcata gatgtgtttg cattttgtaa acccattgtg caaatcgatg gatcaaggct 180  
 atatggaaga taaaaggga cactgttagt tgcagttgca caagatggcg ctaacaacat 240  
 atttcattg gcattttcca ttgtcgaggg tgagacaaca tatgggtggc actttttttg 300  
 caaaacttga gaacacatgt gacaccacaa catggtatat gcttaatctc tgacaggcat 360  
 gagtcaatca aaagtgcata cagatgacct gacaaggggt ggacagtaga caactcgta 420  
 catgtgtttt gtattcgaca cat 443

<210> 10931  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<400> 10931

tagatgcaag ttataatatt gaaatctaca atagaaataa gggttaaaca gatgttcctt 60

gaaaaagttt ggttggtttg aaaaatttaa ggctctagtt agacttattt cttataatga 120  
 gggctaattt tatgcttgac ctgatcattt ttgaaagttc aataatttag tgaataaaat 180  
 atgttttaga ttgttaataa attagtaaat tttgtatttg tctattaatt ttttcttttg 240  
 cattgagttc ttaataacat aataactttg tttttggcca tggacatttt tttgtgtcct 300  
 ataaattagt gaattttgtg tttgttcctt catttttttc ttttattatt tattcccttt 360  
 gaaaaaac 369

<210> 10932  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10932

agctntatgt tgactcttat tgtagtcaac atttgaaata tttntaaaag gtaataaat 60  
 gtaagaattt gatactctat cataatttta atattataat aataactaaa aaattattat 120  
 aatttatatt tacttaataa tgttgatcta ttagacatta aaagggtttt taaataacct 180  
 aaaatccgat atttttaacc aaatatgttt ttataaaaagt tgaaacttga tctatttttg 240  
 aaagaatcta atataacctg aggttattgt gacttatcaa tatataatga aatatatgnt 300  
 aattgactta aaatatgttg tttttctta attattctaa acatatgata aaatacattt 360  
 tttaaataat taaaccanat acttccatgc ttcaaattat ttattttaca 410

<210> 10933  
 <211> 355  
 <212> DNA  
 <213> Glycine max  
 <400> 10933

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 aaagttatga ccatttgaat ttctcgagag ctccggttgt tcaattacga ccgtctctat 120  
 atattatgcg ccttaatcgg acctccgagt gaaaagttat gaccatttga attggtcaag 180  
 agcttcatt gtccaatttc gagcgtctcg atatattatg cgcccgaatc ggacatccga 240  
 gtgaaaagtt atgaccattt caattttctg agagcttccg ttgttaaatt tcgagcgtct 300

cgatatatta tgtgcctgaa tcggacctcc gagttaaaag ttatgtccat ttgaa 355

<210> 10934  
<211> 361  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10934

nctctgttc tgcaactatg tcatcctttt tttttaggtg tagaatgaag cttgacaggt 60  
tcaggtgcag gtgctgtac tgggtggaggc acatgaattt ggttttcaga cctcaagggtg 120  
atggcactca catttttttg attctgcaca gtttgtgaag gcaacttgta aaattttggg 180  
actgagcttg attcatctga gtatccaact accccatttg atttgtcaga ctctgaatgg 240  
aagctcttgt ctctctctga aattgcata tctggatggg catttgccct actaattctt 300  
ctatggaagg ttgaggagga gcttcagttg cttgttgtct ttgttgtgac tgttgctgct 360  
g 361

<210> 10935  
<211> 197  
<212> DNA  
<213> Glycine max

<400> 10935

tgacagaata ctgggactgt tgttgatttt attgggcagc caaatgcccc atctgattgg 60  
gtaagctctg aatggaggct ctggctctct gctgaaactg catgttccgc atagtcattt 120  
gcttcacaag ttcttcaagg gaaggttgtg gaggggctc aactgttggc tgtttctggg 180  
gttgttgctg ttgttgg 197

<210> 10936  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 10936

tattacgtgt tgatgattat aagacatata tatgtatatg aattgttaa ataaattagg 60  
aatataatagt tcaataata aaattaaatt gaagaaaatt aatatattaa gattcaacaa 120  
taaatacttt caatgcattt ttagtttaat tatttattaa atcttttttaa ttgaaaataa 180

tatagttcaa tttaatatat acatgttttg tgccatgtaa atattaatac tgtgtgatgt 240  
 ttatatgatt catgaagtct gataacatgt tactttggga ttataacatt gtgattgaga 300  
 ttgagagtat gtgataaatt aagtatgtgt tgaattataa gatacatgtg tattgagatt 360  
 ttg 363

<210> 10937  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10937

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 aatttaatta tttattagtt gcagttcatg tgtatttata acttctgaag gataaatcat 180  
 ttatacacia acggtttaaa attggtgtgc tctaagttat gctgaacatg caatattatg 240  
 ttaaatattg gtatgcattg gatttgatcc tttaaagttt attacatgtt gaattggatat 300  
 acgtacaatg ttattttgaa ttggtataca tgtaatttct atgattcaat attgagcaca 360  
 tttgcattat taagtatgtt tatgccaaat attattttga atgttaagtg attaatataa 420  
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<210> 10938  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10938

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 aagcaagcac attgagacta aatttcattt cttgagagat caagtggcta aaggaaaagt 180  
 ttagctaccg cattgcagaa ctgaggttca actagctgac ataatgacta aggctttgaa 240  
 ggctaacata ttcacggagc tgagaatgag aatatgaatt cagagtttgg aggattaaga 300  
 tagtctgttc aataaatgtt gttgtaatgt tcttgttgtt gattcactgt ttttgaatca 360

aagtggggtg ttacggataa tactaaacac ttactaattt gatagtaatt gatggtgatt 420  
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<210> 10939  
 <211> 294  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10939

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 aaaacctgat tggagaacct tgacaacagt tctttctcca ttataatggc ctccataagg 120  
 tgaactatgg aaacgccaca atatgcttct tgcctctctc taagttacac accttcacaa 180  
 gaggggtgtcc gctctaattg taaacagata aggaccatcc cacacaaaat gnttagcatc 240  
 cctgaaaaac ttattctttt ggtgccaggt tagatcatca tggagtgcac caac 294

<210> 10940  
 <211> 432  
 <212> DNA  
 <213> Glycine max  
 <400> 10940

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 gcttcagcag gagtaatgtc tctaagggtc ccaccactgg cagcatctat catacttctc 180  
 tccatgttac tgagtccttc ataaaaatat tggagaagaa gctgctctga aatctggtgg 240  
 tcactctctc cagtattcat ataggctctc tccactgagt tgtctaatac ctgaaatata 300  
 ttttctgatg gtcgtggtcc tgggaagcagg gaaatttttt tctaagaata ctctcttgag 360  
 gtcacccag ctcgtgatag accttggagc aaggtaatat agcaagtcct ttgctactcc 420  
 ctataaagaa tg 432

<210> 10941  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<400> 10941

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agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt ttgagcgtct 120

cgatatatga cgggactcaa tttagacatct gagtaaaaag ttattgtcgt ttgaattagc 180

tcagagcttc aacattcaat ttgagcgtc tcgatatatc acgagactat atcagacatc 240

cgagtaaaaa gttattgtcg ttggaattcg ctgagaggtt caacattcaa ttctgagcgt 300

ctcgatatat tacgggctc aatcagacat ccgagtaaaa agatatgtc gtttgaattg 360

gctc 364

<210> 10942

<211> 439

<212> DNA

<213> Glycine max

<400> 10942

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atatatcgag acgctcgaaa tttaatgttg aagctcttag ccaattcaaa cgacaataac 120

tttttactcg aatgtctgat tgagctctgt aatataacga gagctcgaa attgaatgtt 180

gaagctctga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

tcatatatcg agacgctcga aattgaatgt tgaatctctg agccaattca aacgacaata 300

actttttact cggatgtctg attgagtcct gtaatatatc gagacgctca gaattgaatg 360

ttgaagctct gagccaatc aaacgacaat aactttttac tcggatgtct gattgagtc 420

cgtcatatat cgagacgct 439

<210> 10943

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10943

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accttccacg ccttctttaa ggcattgtgt ttcttgtaag gtggagggcc ttgactctta 120

tgtagaccaa ttgaggcca ccatagttca ttccagtcg gtcaccatgg aggaggaaca 180

cccttctcta ttgagaacct cctctgacga ggatcacagc gctgcataag tgetgacaag 240  
 agagaaccca aagetgtgaa ctgtaactct tgcaatgtgt gtagtgtacg accaatggaa 300  
 gtgcttccat cattctttcc acgaatagca ttatcggtt gatacttggc tatggcatca 360  
 tgaccatttc tatcaaacct gaacttatcc ttacacca 398

<210> 10944  
 <211> 355  
 <212> DNA  
 <213> Glycine max

<400> 10944

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 tactcggatg tctgattgag tcccgtata tatcgaaaag ctcgaaatgtg aatgtagaag 180  
 ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240  
 atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300  
 ttactcggga tgctcgattg agtcccgta tatatcgaa cgcttgaaat tgaat 355

<210> 10945  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10945

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 taaaaagtta ttgtagtgtg aattcgctct aggccttggg attccatttc gagcgtctcg 120  
 atatatcacg ggactcaatc ggacatcaga gtaaaaagtt attgttgta gaattcgctc 180  
 agagcttctg tattccattt cgagcatctc gatataattac gggactcaat cagacatccg 240  
 agtaaaaagt gattgttgtt tcaatttgct cagggcttcg gtattccatt tcgagcgtgt 300  
 cgatgtatta cgggactcaa tcagacatcc gagtaataag ttattgccga ttgaatctgc 360  
 tcacagcttc gacattccat tt 382

<210> 10946



<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10946

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agtcctgggt atccctatga agaaatttta agcacatttc acaatcagac cggcatagtc 180  
atgtgtcctt acctcccaat gttcaccagc tntaatagaa caaggggtaa acaaaattaa 240  
aaattaaaaa tttccctatt tccgattctt gtctgctatt tcttatagga ttaagtcaac 300  
aactattaac gaacgttgta ttctgcacca ggtggcttga ttcaattgaa ccatggcagg 360  
cctcagcttc tccaatatgt ggtcaatgca ngccttttgg ctgctcttta cagtgattat 420  
ctcgatgctg ctgatacacc tggatg 446

<210> 10947  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10947

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aatcgtgttt caatagaatt aattgattaa tccaatatgt ataaaaaat actcaataca 120  
aaaagattct tcatgtttat aatatcagag attgattaat tcaatagaat taattgattg 180  
atcttttgta atactcaatt aattgattaa ttctccaaaa ttaatctcca ttgtaatact 240  
caattaattg attaattgaa tggagattga ttaattcaat agaattaatt gattgatcta 300  
atatgtataa aaaatactca atacaaaaag attctttaat agaataaatt tcatgtttgt 360  
tttaatttaa a 371

<210> 10948  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10948

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 ggatggcctt gattttctca gggccactt ggacccatt tctaccaact acaaacccta 120  
 agaaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgttt 180  
 tcctaaggac taaaagaact tgcctgagat gtctaatgg atcatctagg ctctactgt 240  
 aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300  
 gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360  
 attcatacaa accanacttg gtcttgaaag cggttntcca ctcatca 407

<210> 10949  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<400> 10949  
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 tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat 120  
 tcggg'gcgat aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca 180  
 aatggtcata aattttcaca cggagggtcag attcaggcac ataatatgtc gagatgctcg 240  
 gaattgaacc acgaaagctc tcgagaaatt caaatgggtca taacttttca cacggatgac 300  
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<210> 10950  
 <211> 448  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10950

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 ttatgaccat ttgagtttct cgagagcttc cgtggttcaa ttccgagtat ctgacctat 180  
 tatgtgcccc aatctgacct tcgtgtgaaa agttatgacc atttgaattt ctgagagct 240  
 tccgatgttt aatttcgagc gtctcaatat attgtaagcc tgaatcggag ctcaagtgtga 300

aaagttatga ccatttgtat ttctcgagag cttccttggt tcaattccga gcattctcgac 360  
 atattatgtg cccgaatctg accctcgtgt gaaaagttat gacctattga atttctcgag 420  
 agctnccgat gttaatttc gagcgtct 448

<210> 10951  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<400> 10951  
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 ggggcaagta aattttatct ccatcagacc ttggatgcaa ctgtgatcgt atccccatct 180  
 tagttagatc ttgacgggta ttcaagccat ccttcatctt gccttgaatg ttaaggagca 240  
 tcccaatcac actgtcacat acatttttct ccacatgcat aacatcaata caatgtctaa 300  
 cgtctagatc agaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaag 360  
 tc 362

<210> 10952  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 10952

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 atccatcaaa gaccttaaaa ggcttaggac cccaatcaat gctcttagat ttcagttagga 180  
 tagggcagtg atcagagtag ttcttttcaa gggtgagctg cgaactgtct gccacttag 240  
 aaagccaacc atcagagaca acagctctat ccaatttctt ttacaggaa ccattaggcc 300  
 taacctcatgt gaactgctta cccacactag gaatatcttc cacctccatg atagcaagcc 360  
 aatcattgaa atctgacatg atgtcggact ctgaatntcc atgattgctt cccattctct 420  
 ctgaagggtg cctaatacaa ttataatgc caataagaca ccagcatata 470

<210> 10953  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<400> 10953

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tcaccattga gagatataat gacaaggcgc tgtgtgatgt ggtcccaatg gaagcgaccc 120
atgtgctggt aggaagatcg tggcagtatg ataccactgc agagcatgat ggcttcacca 180
acaacatctt tttagcgaag ctgacaagaa gattgcttgc gcaccgttat ctctgaaga 240
ggtttgtgag gatcatatac aactgagagg attgagaaag agtgatactc ttgtgacgaa 300
aatgagttag acacttgata acgaaatgtg aggatagaac aagagtgaac cacttgagac 360
ggaaaagaga gatcacacgt agagtg 386
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<210> 10954  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10954

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cttagtcgga catttgatga gtatgtaaac agcagtgtag actactttag ccagaaatgt 180
gttaggtagt ccttctcct taggcacga tctgtocatt tccataaatg tgtaattctt 240
tctctcgac actccatttt gttgaggaaa atatgtgatt gtaagtgtt gctcaatgcc 300
ttcatcetta caaaatcttt canactcgc agaggtgtac tctctgccgc gatcacttct 360
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<210> 10955  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<400> 10955

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 tgaagttcac acgtagtaga agccaaggct ctatactctg cctcagatga actgcgagag 240  
 accgtagatt gcttcttgga ccaccaggaa attagagact caccagata gactgagaag 300  
 ccagtgatgg agcgtcgtgt gtgcacaat cctgccaat cggagtcact gaaagctttg 360  
 agagtgagtg taccttgagc cacgaagaag atgccagaac caggagtcc tttgaggtag 420  
 gt 422

<210> 10956  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<400> 10956  
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 gattcgtgca ctgcacttcc ctacgctcac tgctcctccc tgcctcttct tcgcagccat 240  
 gtgccatttc ttcagagcct tgtttggtgtg ctgcgcaaat attgctgttt tcatecttga 300  
 acccatctgc gtgtatgtat gtgtgcgttt acagcgatac attgtcgtcc attagaccaa 360  
 t 361

<210> 10957  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 10957

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 cgttgttcaa tttcgagcgt ctcgatatat tatgcgcctg aatcggactt tcgtgtgata 120  
 agttatgacc atatgaattt cttgagagct ttcgttggtc aattatgagc ttctcaatat 180  
 actatgcacc ttaatcggac ttccgtgtga taaggtagga ccatttgaat ttcttgaggg 240  
 cttccgtcgt gcaatttcaa gcgtctcggg atattatgcg cctgaatcgg actgctcggg 300

gataagttat gacca

315

<210> 10958  
<211> 589  
<212> DNA  
<213> Glycine max

<400> 10958

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gtagattctc aaaataccca gtttctaaac tgtattgac tagccagtat aatgagtga 180  
attcagtagt taaagcatgg attaaccagt caactcttgg ccagaaattg gcataattct 240  
ccttcaaaag catggatttt aatttttagt gataggatc tattgcagca tgtggctcag 300  
gagttgtcac agagagtgat tttatggcat taatccacat atctgcatga gaagcacagt 360  
aatatggtta ttcaagaaac aatattaatg cagaatactc aaatgactgg atagtccact 420  
aattatgatg aaaataatta gtcaattgta gaaaatgcta gtgtgagtgt tgcccaagaa 480  
aacttaaggc actcatctgg aggtgggact aagaatgaaa tgaatttgat ataaaatctg 540  
aatcagaatg tttctgatca aaactgacta tgatgtgagg ctacaacag 589

<210> 10959  
<211> 562  
<212> DNA  
<213> Glycine max

<400> 10959

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ctgcagagtc ggtcatccaa gaatctgctg agtatttgaa ggacatgagt gaagaagaat 180  
tgatggaat gtgtgacctc aaccatttgt tagatgaatt ggggccacgt ttcaaagatt 240  
ggacaggccg tcaaccattg cctgttgatg cagacttggt gccagctgtg gttccaggat 300  
ataaaacccc attcagactt cttccttacc ggataaggcc ttgtttaacc aacaaggaaa 360  
tgactaactt ccgtaggctt gcaagaacaa cagctccaca ttttgccctt ggtaagcaag 420  
aaactatcta gttaaattca tgtcttgcaa ttgcaaatg tctctttcta atagatacta 480

tttgtttgct aatgcaggca gaaacagaga attgcaaagt ctggctcgtg ctatggtgaa 540  
 actgtgggaa acaagtgcta tt 562

<210> 10960  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<400> 10960

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 cgtaagccat caacaaaatc tcttcttctt catctaattc atcataatct gctttctttt 180  
 ccaaggcagg acactcatat gggaaatttc ctagtgttg acatttgaaa cactcaatag 240  
 tggctttatt gaaggattgt ctacctctcc ctctgccacg tctctctcta tacgcacctc 300  
 gaccccgccc tctgatgggt ccactctctt gagtgttttg gcgagtgtgt tcttcatgag 360  
 gtgccttcaa cacatgctc 379

<210> 10961  
 <211> 647  
 <212> DNA  
 <213> Glycine max

<400> 10961

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 agtgtagtaa ctaaacattg actgaaagag ttagaagctt acatgtacag tcaagcctac 180  
 gaaagcagtt ttgggcagaa gctatgaaca caacaactta cttgattaac cgagggtccac 240  
 tagtaccatt ggaacataga atactagaag aggtattgag tgaaaaaagg tcaaaacttac 300  
 gcatctaaag tttttggttg tgtaacttat gtgcatatta gtgatcaagg aaaaaataaa 360  
 cttgatccca aataaaaaaa gtgcactttt attggttatg gtgaggatga ttttgactac 420  
 cgcttttggg ataataaaaa aaaatgatga tttgtagtag agatgtgatc tttaatgaaa 480  
 gaataatgta aaatgaaaaa cataacatag acactaaca ctcaaaacag agtgagtcaa 540  
 tgtatgtaga ggtggatgat gtcccaaaaa ctcttgtaat tgtgagtcac caaccagagg 600

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647

<210> 10962  
<211> 567  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10962

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tttgggcgta ttcttttgaa agaatcgtgc cctctttttg cacatgttct atagttgcat 180  
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aatggactcg ggaagggtcc aagttagtgt accaggtaac agctacccca gtaagacttt 300  
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gcatctttag atggttcttg gggcaagtag tcctctcgta cttgtcaaag tcacgacct 420  
tgaacttggg aggggtgatg atattgggta ctangaacaa ctctcctagg ttagcaagg 480  
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<210> 10963  
<211> 653  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10963

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agtaatatcc gagtttaacc ctacgcgaaa ataattacta gatatttaag tccaaaaaaa 180  
tatcattagc aaaaacacac aattagattt tttttaagat atttagtaag cacatcttat 240  
acttgatcaa acaagtaata acttaaggct aagcattgta agtaacacta aataaaatta 300  
aattggatgt gtcttaagaa tattaattaa ttcttaaaaa tcacattaaa aaaaaaaaag 360  
aaagacatca ataatatatt ttttaaaaa atttaacttt tattcccttc cctccttttt 420



tatttataag acctaagttt aaaattgtat ttgtttcttt ttatcagatc taatctaate 480  
 tataatattt ttggaattaa ttattttaaa aatatccttc attaaaagaa gataaaaaaa 540  
 tatattaata aataattaaa agaaaaaaat attattaaca atgataattt aaaaaaaatg 600  
 atgaatttaa cataattnta ttattatcaa ttaaaattat tttttttttt aat 653

<210> 10964  
 <211> 538  
 <212> DNA  
 <213> Glycine max

<400> 10964  
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 gcttgacgca tcttacttca tatgtcttga aaatacatga gagtgggtcat cctcttaata 180  
 ttccctccac gatactgctt taatctctaa ccatttacta cccatgggtct gtctagattt 240  
 tctaattgag gatcaaataa ttccacaacc ccgtaggggt tgacatcttt gatgatgaaa 300  
 ggcccaaacc atttgatttt catcttgccg gaaaataatt tcaatcttga attgaacaaa 360  
 aaacattttg tgccttagct ggaactcctt tttaagcagc tttttatcat gataggcctt 420  
 cactttttca ttgacaattc ttgaagactc ttaggcattc atcctcattt tttctaactc 480  
 taagagtga aacttccttt tttctctgct taaggactca tcaaaattaa ggaatttc 538

<210> 10965  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 10965  
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 acgattaaga ggcagccaga tattgatgct tatgacactg gtggttgact gctagatgat 180  
 atttctggag atataaagct taagaaggct tgctttagtt atacttctag acctgatgag 240  
 caaatattca atggattttc aatttcaata ccaagtgaac ctactgcagc tttggtaggg 300  
 caaagtggaa gtgagaaatc aacaattatt agtttaattg agagatttta tgatccacaa 360

gctgggtgaag ttctcattga

380

<210> 10966  
<211> 622  
<212> DNA  
<213> Glycine max

<400> 10966

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gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120  
tggtgttcct agacaaaacc gaattgatgg tattaacctc aacattcctc catttaaagg 180  
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240  
caacaactat gaggaggacc aaaaggtgaa gcttgccgcc acggagtttt ccggctatgc 300  
tcttgtgtgg tggaacaagc taaaaagga gagagcaaga aatgaagagc caatggttga 360  
tacatggacg gagatgaaaa agatcatgag gaagcgggat gtgccggcta gttactcaag 420  
ggacttgaaa ttcaagctcc aaaaactaac ccaaggcaac aaggggggtg aggagtattt 480  
caggaaatgg atgtgctcat gattcaagca aatattgaag aagatgagga ggtaactatg 540  
gctcgatttc ttaatggttt gactaatgat atccgtgata ttgttgagct gcaagagttt 600  
gttgaaatgg atgatttgct tc 622

<210> 10967  
<211> 566  
<212> DNA  
<213> Glycine max

<400> 10967

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tcataagtgg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180  
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240  
aaagattttt gaaagtgttg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300  
acattgaaag cttctctctg tttctctccc catttgaaac caacattttt cttgagcact 360  
tcattgagag gtgctgccaa tgtgctaaaa tcttcacaa atcgtctata aaaacttgct 420

aagccatgaa aacttctcac ctcggtcaca gacttaggtg taggccattc ttgaataggc 480  
 ctaacctttc tctcatcaac ttgcactcct ttggaactca caccaaaaacc aagaaacaca 540  
 acatggttag tccaaaagat gcattt 566

<210> 10968  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<400> 10968  
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 atgctctggt ggcaagcaca ttagccgtct gatctttctc tcttggaaatg tggcggaaag 120  
 agacctcatc aagaactcaa ttaccttctt gatgtatgcc tgatagggca tcaactcgtg 180  
 atccctagtt tgccattctc cctcatctg gcgaattacc aaggctgagt ctctgctcac 240  
 tttaaccaat tcgacattta agtcaattgc cacttggatt ccgagggcac atgcctcata 300  
 ctacgccata ttattcgtgc aatcgaag 328

<210> 10969  
 <211> 650  
 <212> DNA  
 <213> Glycine max

<400> 10969  
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 agcagggtgc tatatggagt atggataatt tttgtatact agaaaagtaa tgatatatat 180  
 cacatacctc agtaacatat tttctctctt tatctcacga attctattac attatctcac 240  
 ttatcatatt tatatacttt tctcttgttg gatcaagtgg tctcggatta attaagaagg 300  
 gggggttgaa ttaattttta atgtgtcttg actaattaa aattatcctt cttaatatata 360  
 ctagattcaa ttaggcttta ctattaagtt atgaggaagt aaagaacaaa aacaataact 420  
 tagacaaaag taaagcggaa ataaaagtac gtagcggaaa agtaaaaagt gtagggaaga 480  
 agaagacaaa cacaagattt atactgggtc ggccacaacc catgcctaca tccagtcccc 540  
 aagcaaccac tgggttctga gatttctaataaacctgttaa aatcctttac aagcaaagat 600

ccacaaggga tgtaccctcc cttgttctct ttgaacaacc aagtggatgt 650

<210> 10970  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 10970

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aaaactagag atttgatca cgtaaagtgt gttaaggatg aagaaagcaa aggccttagtg 120  
catgaaaaag atatcaagga aaggtggaag gtgtatttcc acaacttatt taatgatgga 180  
tatggatatg actctagcag tctagacaca agagaagagg accggaacta taagtattat 240  
cgtcggattc agaaacagga agtaaaggaa gcgttgaaaa gaatgagtaa cggttaaggcg 300  
gtggggccaa acaacatacc tattgaagtg tggaaaactc ttggagatag aggtcttgag 360  
tggctcacca aactctttaa tgaaattatg aggtcaaac gcattgccga 410

<210> 10971  
<211> 594  
<212> DNA  
<213> Glycine max

<400> 10971

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ccactgatgg catcacgcaa acaccgaaag tggcgagaaa ttgttcttaa agcaagcgta 180  
gtatatggtt ctgtgtctcc acaccggca accatgtcaa aagatgacac cacaatctgc 240  
atctgatggc agtactgtct gtatctttta tctacctata accagtggaa acaaggaatt 300  
ttttatggag tccgccattg gccgacacta tcatgaattc ataactaact gtcttttcaa 360  
tagttaaaca caccgttcaa actttggagc aacaaatgaa ttctacaaac attatagata 420  
taactgtaga gcaatattat gtctctttaa ttaattctca ttcaaataga attaaaaacg 480  
tataaacttt gtgaacatca actatataat taatggcttt atgggtggtgc accagttcaa 540  
tctgacgtga cagctaacat ttcaaaacca ttaccttcg ttactggttt gggc 594

<210> 10972  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<400> 10972

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ttcagatcat cccgtgttgc caacaattcc aagaaagaaa cgtaacgtgc taacttcct 120
tctctttgga aagaaatctc aaaactctac aaacaaaggc accaataagc tttcttctgt 180
tgggtgtgtg gaggaattat ttgaagaggg ttctgcaatg cttacagaga ggtaactggg 240
accataactg ctaaatttat atttgcatga tgtcatttga agtttaattt gtcaccatca 300
tgggtggaag agagaaaaaa tgatcctttt ttccaatac atctatcttt gattcttaaa 360
ttttcgact taaaatgcag gttaggcaag gattttccat ctaatacgaa tcttgagatg 420
ttccgtgtg cggtttgcc agcagatcag cctctgtgg acagtttgc aatgaacact 480
gggccttgtt tccccccagt atc 503
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<210> 10973  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 10973

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ttgagaagaa ttcaacatgg gaacttgta atctgcctct tgacaagaaa cccatagcac 120
tgaagtgggt ttataaagtg aaggtgaaat ccaaagagg ccagacttgt ggcaaaaggg 180
ttcttatgaa aacctggagt tgactatggt gaggtctatg cacctgtggc aagaatagaa 240
acagtgagat tgggtgtagc aattgcaaat ataaaagggt ggtctatgca taaactagat 300
gtgaagtctg ctttcttaaa tggacagcta gatgaggagg tttatgtgga ccagccactc 360
tttgagaaat tgggacaaga agaaaaggta tacagattga gaaaggcaat atatggtctt 420
aagcaagctc caaggggctg gaacaaaaaa attgacagct ttctt 465
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<210> 10974  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<400> 10974

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tgttgatca agtggcctcc gaataaatta agaaaggggg gttgaattaa ttattaatgt 120  
gtccttacta atttaaaatt taaccttttt aatgttacta gatttccaat tagctttttac 180  
tactaacttt agaaagtaaa gaacataaat aaaaacttat ccaaaaagtaa aagcgataat 240  
taaaagtcca tagcagaaat taaagagtgt atggcagaat aatacaaac cccgatttat 300  
actgggtctg ccacataccg tgectacatc caatcctcca gcaacctgct gttcttgaga 360  
ttctttttta cccttgtaaa tcctttacat gccaaagatc cacaagggat gtccctttcc 420  
ttgtttctct tgaaaaaccc agtggatggt ttectccctt ttga 464

<210> 10975

<211> 499

<212> DNA

<213> Glycine max

<400> 10975

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tgattgagtc ccgtaataa tgcgagcccg tgaaattgaa tgttgaagct ctgagccaat 120  
tcaaacgaca ataacgtttt actcggatgt ctgattgagt cccgtcatat accgagacgc 180  
tcgaaattga atgttgaac ttcgagccaa ttttaaacga caataacctt ttactcggat 240  
gtctgattga gtcccgcaat atatcgagac cctcgaaatt gaatgtggaa gctctgagcc 300  
aatttgaacg acaataactt ttactcggga tgtctgattg agtcccgtaa tatatcgaga 360  
cgctcgaaat tgaatgttga agctttgagc caattcaaac gacattaact tttttatctc 420  
ggatgtctga ttgagtcctc taatatattt gagacgctcg aaattgaatg ttgaaccttt 480  
tgagcaattc aaacgacaa 499

<210> 10976

<211> 544

<212> DNA

<213> Glycine max

<400> 10976

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 atatattacy ggactcaatc agatatccga gtaaaacttt attgtcgttt gaattggctc 180  
 agaggttcaa cattcaattt cgagcgtctc gatatgttat gggactcaat cagacatccc 240  
 agtaaaaagt tattgtcgtc tgaattggct cagagcttca acattcaatt tctagcgtct 300  
 cgatatatga cgggacaaaa tcagacatcc gagtaaatac ttattgacgt ttgaatttgc 360  
 taagagcttc aacattcaat ttcgagcgtc tcgttatatt acgggactca atcagatatc 420  
 cgagtaaaaa agtattgtcg tttgaattgg ctcaaagctt aaacattcac ttctgagcgc 480  
 cagcatttat tacgggactc aatcaaacat ccgaaaaaaa agttattgtc gtttgaattt 540  
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<210> 10977  
 <211> 521  
 <212> DNA  
 <213> Glycine max

<400> 10977  
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 attaccttat cattctccat cagcttcaag aggggaagag ctagaatttt ttcagcatca 180  
 tgggtggctaa agattgcttc cagagatat ttcttccatg cacacttatt atgatctatt 240  
 aaatcatcca ctcttaagcc ataattttca tttgaaggaa aagtcgagac ataggaattg 300  
 ttatcatttt taagccaagg ttgggactaa gcatgaatag aattaccatt tccaatcttc 360  
 cattgctaaa ctctttttat cactaccctg gaagtatgga tactacgcca tacaaaagctt 420  
 gaattatgcc ccaattgtgc atccaaaaaa tccaccgacg gaaaataatt ggctttgaaa 480  
 ttctttgcta ttatagtact tggtgggcca taaatcttca a 541

<210> 10978  
 <211> 506  
 <212> DNA  
 <213> Glycine max

<400> 10978  
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 ttcattctcc tcgatacact gcgccaacac ttcaccacca gcaactccttt ccaggccatg 240  
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 gacgaattcc actctactcc tatcgggcgt cactcgcact ttgccaaagac actccattgc 420  
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 tgcccgaaat gccacaagt caaata 506

<210> 10979  
 <211> 613  
 <212> DNA  
 <213> Glycine max

<400> 10979  
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 tgacttttta tatgatggtg atgcacttgc agatcagaat tggtccttgc atatgttcgt 240  
 ctgctgcgtg ataattgagg tgaagtacgt attgctgctg ctgggaaagt aactaagttt 300  
 tcccgcataa taaatcccga tcttgcgatt cagcatattc taccatgtgt gaaggtagc 360  
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 cactggcttc tgttataatg ggtatggcac cgggtgtagg gaaggatat aaattactat 540  
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<210> 10980  
 <211> 568  
 <212> DNA  
 <213> Glycine max

<400> 10980



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<210> 10981  
 <211> 610  
 <212> DNA  
 <213> Glycine max

<400> 10981  
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 aatttattat gaaacatttt tatcataata ctggtatcat acaccaaact tcttgtgttg 540  
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<210> 10982  
 <211> 647

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 10982

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aaaattcaag ctatagtcca tagaatgaca agttgacaat aactaagctt gtgaaataat 420  
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<210> 10983  
<211> 423  
<212> DNA  
<213> Glycine max

<400> 10983

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gcacggatat agaacctcgg tacaacttc tactggggca acgccatatt ccttggttta 360  
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tca 423

<210> 10984

<211> 484  
 <212> DNA  
 <213> Glycine max

<400> 10984

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 aagaagaggtt tccggaacaa aggaaatcaa agcttcaacc aaggggagat ggaccatttc 180  
 aagtgtctga aagaatcaat gacaatgctt acaaagttga gctgcccggg gagtataatg 240  
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 aggatccact tgaaggactt ggaggaccta tgacaagggc tagagcaagg aaagccaaag 420  
 aagctcttca acaagtgtgt tccatactat ttgaatacaa gcccaagttt caaggaaaaa 480  
 agtc 484

<210> 10985  
 <211> 605  
 <212> DNA  
 <213> Glycine max

<400> 10985

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 taccgagacg ctcgaaattg aacaatgaaa gctctcaaca aattcaaatg gtcaaaactt 420  
 gtgacacaga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg 480  
 aggctctcga gaaattcaaa tggtcataaa gtgtcacacg gaagtccgat tccgggggat 540  
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<210> 10986  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<400> 10986

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 ggacatccga gtgaaaagtt atgacaattt taatttgcg agaacttaca ttattcaatt 180  
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 ttgaattgga ccatagcttt cttgcttaat atcgagcgtt gttgtatatt atgtgccaga 300  
 atgtgacatt cgacgcctta gacatgacca tgggaatgtt tctagaggta catctttaat 360  
 tctgtgcacg atgatatact atgggcctga gtcggacata caaggtaaag gtcatgagca 420  
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<210> 10987  
 <211> 555  
 <212> DNA  
 <213> Glycine max

<400> 10987

agcttccaag aatcaagatc aagattcttg actcaagatt caagaatcaa gagaagactt 60  
 aatcaagata agtattaaaa agtttttcaa aaactgagta gcacatgaat ctttctcaac 120  
 ccccttctct aattattctg aggccacttg atccaacaag tgggtatcaga gcaattatct 180  
 tgtagaaagt ctaaccactt caagattcat ggcctcttca aatcctttgt ttcttgaagg 240  
 aaattccatt catagaccac ccattttcaa tgggtgaggt taccattatt ggaaaacccg 300  
 tatgcagatt tttattgaag ccatagatct aaatatttgg gaagcaatag aaataagacc 360  
 atacataccc actgtagtag atgtaagcac aagcactaca acacaaaaac ctagagataa 420  
 gtggacaaaa gaagatagaa gaagaatcca gtttgatctc aaagccaaaa acattattac 480  
 ttcagcctta ggaatatatg agtatcttag agtgtcaaaa tgtacaaatg ccaaagagat 540  
 gtgggatact ctcca 555

<210> 10988

<211> 598  
 <212> DNA  
 <213> Glycine max

<400> 10988

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agcttggtgt caccatcaac aatctgtttg ttcttgaagt aactagcctt gccaaaaccc 60
tcctcagggg aatggccact ccccatattg gtcgaggtgt gttggccgtc ggactcagag 120
ttcacaaact ctccccccca ctcaatcatt gacgcgctgt cagagaggta cgagaataga 180
ggagccggcc agtatcccat aacatgggtc tccccaaact gcattccacca gttacctctt 240
ttgggggtct acatacatat tgggtttcca taatagacaa catcagatgg cattgttcca 300
tattaataaa ttcatggacc ctaaaaata atgcagcatt cactgataat gaaatgttag 360
tgtcagagat tctcttgatt tataattaac tagtgtgtgc tgcacaaaac agtgggtgta 420
atatattaat ggtgcattat ggtagtgttt gttaagtgtc gggcgatatt ttatgccaga 480
atgtccaata tcaagagata atatataaaa tggaaataaa taaataaaaa atgtaccttt 540
cagaccagga tgctgatata atattgggaa gagctatact taaaaaaggg ggagatgc 598

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<210> 10989  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<400> 10989

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atcaactatg catctggcag aaaacatgaa tggccttacc aatattagct gaatggccgt 60
atctacacaa atatgcatca cactgatctc tgctgggaag ataaagagtt tcaactacgac 120
catgacatct ttaatgacta aaataggtat gattatggat gcacctgcta ctgcaaaagt 180
catctcttac gggcatgata tgcaactgtt ccaaacttat acacatggag agcgggtatta 240
caggaaagaa ggctcctaag tcaactaagag cctttttcac agtgacttct gcaattgaac 300
agggagtatt gacactgcca ttgttttttt gctaggggtg taagatc 347

```

<210> 10990  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 10990

caacgaactc tatgaccatc tccttgaga gaagcatttt tctaataaac agacattcag 60  
tctctatgtg cttatttctc ctatgaaaga ctgaatttga cgcagatctg aatagcagcc 120  
ggattatcag aatccaactt catttgcaac tatacacaga acctcaattc ttgccgaaag 180  
tgaatacccc acatgagtgg acaagttacc atagccatag atcgacattc aagtgtgtga 240  
ctagatctat cgacgacagg atgcttcttg cttttgcgag agagacaatt tccttccacg 300  
aagactcaag cgcttagggg agacctccta ttaatggga 339

<210> 10991  
<211> 483  
<212> DNA  
<213> Glycine max

<400> 10991

ttatataccc tgagactagg ctcaagccct tttatttaca ctatatcaga ggtgagttag 60  
cctatttagca gtgacccctt tgttctagta attattattt gtgttgttgt tcatgaagca 120  
ctatctagta tgaattttta ttggttgcaa taggatttca atgtaaaggt gaattttttg 180  
gagaataatt ttcttttgat cttacttctg ctgctgaatt cctaaggatt attgttggtc 240  
tggtttttcta tataagccta aggaatcaat cctggcaaac cctatgatcc gcattcccag 300  
cggatctagg gtgaaccaat ttggcgttcc tgctttgcac atgagaagga atgttggtct 360  
gagagttagg tccatggttg agatagtgga tcacaacaca aatttcagtt ctcatagaat 420  
acatgcatag tgtttttgtt acatgtagaa atattatttg ggattgttcc ttcaacattt 480  
atg 483

<210> 10992  
<211> 506  
<212> DNA  
<213> Glycine max

<400> 10992

tcccgcacaa cacttgagg agaagaagaa tttttgaaga aaaaagttaa aattaactta 60  
cgacacctac aattattaga atctttctca tctaactact ccaaaagttg actgcataac 120  
gtgattttat cttagtggag aagttttatt tattttacct cctattttct tctctatag 180  
gtgattgtag aatgtacaga agcttataca aattgaacta ttactttgct tatccaataa 240

gattagattt atatacttgc tagatgcata gtctattaaa aagtaatat acacgaagtt 300  
 ttggattatt gaatttagtc tcgtagcagt ttattattta ttataaattg aaaatccttt 360  
 ttgaacactt tgtttaatcg ggttgacta gttattgaac taaccattac ttgacctatt 420  
 aatggtagta tacatctcat atcatctcac tggataatat ttctctctgc gccataattt 480  
 caacatggaa tcaaagaagt atatca 506

<210> 10993  
 <211> 642  
 <212> DNA  
 <213> Glycine max

<400> 10993

agcttctcag ggaaaaatct tgacggttag gattccaatg gatatccatt ccaccccaaa 60  
 tatctcaagt ttttaggtaa gaattcaaga ccctttggaa ggtacactga attaatcttc 120  
 tcagagtctc cattgtgaga ttgaaagtg agtaatctca ggtttggcat ctttctgaat 180  
 accttggagc ttaaatttat atgtgtaatt tgagtcatat ctaaccatat tccctcaact 240  
 gcagcagttc cctgacaaat aataattaga attaatgttt acatcttttg taataatttg 300  
 cattttttat accaagagtt taggaatgca agtcaaagta tcattaacat actctattat 360  
 ttgtcaatac atcatagatt tccacaggat cccacaatct actgcgttgc cctggaaatt 420  
 taacagattc ttcacgaaca acttctctac ccatttcttg tatcagatcg tgcatatcta 480  
 tgcaattgct atatgtagta gtgataagag ctttgtctaa aagacttctt atccctatat 540  
 cagcagaaaa atcgcagtca ttaatatatt tggtacatgg tctctgcttt gtcctttaag 600  
 aaaacagcta tgtctaaaaa aatgtttttc tcatcatcat ct 642

<210> 10994  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<400> 10994

acagtagagc cgaccggctg gcatgctagc ttggcgctc aacttacatt tgacttccag 60  
 aggaacctca tgttgaagaa atgatgcccg ccacaacgta aggtctccat cccaaatgga 120  
 ctgtctctga tctcaagctt ctgcagatta ggacatcctt tcagaacata tcggagtccc 180

agatcaatgt ctccagcaga ggctactgac cgcgcctaa tcgacttccc atacgtgcga 240  
 ttgtaagtca aagcccgatc agtcctttta ccagacacag aatgcgcagt gagcttctgt 300  
 cgttcataac gatggcacca aaacctcat ccatgggttc tagcgactct gggcctggcc 360  
 tataccgtcc aaatttgcac aacctaaaca cctcaacatc cgggcagttg ttgcacatgg 420  
 ctaccacggc agcattcgcc atcctctggc acattaacag aatcgactgc agtttctac 480  
 aacctcgaga aaacggcttc aaaccccacc tt 512

<210> 10995  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<400> 10995  
 ttgagccaat tctaacgata ataacttttt actcggatgt tcgattgagt cccgtaatat 60  
 attgacacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacaac aataaatttt 120  
 tactcggatg tccgattcag tgacgtataa tatcgggacg ctcgaaattg aatgttgaac 180  
 ctctcagcca actcaaacga caataacttt ttactcggat gtctgattga gtcccgaact 240  
 atatcgagac gctcgaaata gaatgttgaa cctctaagcc aattcaaacg acaataacat 300  
 tttattgg 308

<210> 10996  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 10996  
 cagcttgtac atctcaacct atcacataat attcttgaag gggagctgaa cttgactgga 60  
 ttgatagcgt tgcgcacatt agacttgtca aataacagat tttatgggga tattgggttg 120  
 aatttccctt ccatttgtgc caatttagtc gttgcgaatg tctcaggtaa taaattgact 180  
 ggtgtgattg aaaactgctt tgatcaatgt ctcaagttgc agtacttga tttgagcacc 240  
 aacaatctga gtggaagcat atggatgaag ttttcgaggc tcaaagagtt ttctgttgcg 300  
 gagaaccatc taaatgggac tattcctttg gaagcttttt ctttgaattg tagccttcaa 360  
 aaactagacc ttttacaaaa tggattttgc tg 392



<210> 10997  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<400> 10997

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agcttgaatc ggacatccgt gtgaaaagtt atgagcattt gaattactca agagcttcca 60
ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120
ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttctgagcct ctgcacatat 180
tatgcgcttg aatcggatat ccgtgtgaaa agttatgacc atttgaatat ctgcacagct 240
tctgatgttt aattcgagcg tatcaatata ttattagcct gaatcgaacc tcagtgtgaa 300
aagttatgac cattttaatt tcccagaaac ttccgttttt cattttcgag cgtctctata 360
tgtgatgtct cttaatatata catccgcgtg aaaagttatg accatttgaa tttcttcaag 420
agctccggtt gttcaatttg agcgtctcga tatgtgattt gcctgaatcg gacattccgg 480
ggaaaagtta agaccctttt aaatt                                     505
  
```

<210> 10998  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<400> 10998

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agcttgtagg gttaaagtct cagcattgtt acatgctgat gcaataattg ttaggcgtga 60
ctatacgaga catcttgcca aacaaagtca ggttatccat aactcacctg tgcttttttt 120
accatgccat atatagcaaa gtcattgata ctgtcaagtt tgatgagcta caaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaagtctg tggctctgtt tatttgcggg 300
ggatgtaccc ggttgagtga tacatgaaga tcttataagg gtatacaaat aatctatatc 360
gtccaaaagc atctattggt gagaggtaaa ttgcatatga agccattgaa ttttgtctag 420
aatacattga aaaggctaaa actattggcc ttctgaatc tcaacatgat gacaaaagtg 480
gtgggtta                                     487
  
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<210> 10999

<211> 615  
 <212> DNA  
 <213> Glycine max

<400> 10999

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agcttatcaa tctgaattca ttggcatgga tgggcttctt gaccttagga attaagacta   60
tgaagggtttt atttatgtaa gttagggtcct ttcccttgtt caaaatttgt agtgctagac  120
ttgtgatata aacaccaata atactccaaa atttgtggta aaaaagagtg gaggtgtcat  180
ttggactaag ggattttgtg gggagcattt gagaaatggg gtcttgaatt ttagtcctta  240
tgaattcagc attcaagata ttgaggagat tcggtgaaat tgtgttttga aataagcttg  300
taactttctc tgtaacaaa gtcttggagg gggtaaacaa gtcagaaaat taattcataa  360
gaacttcacc tatattctca aaggcatata caaatctccc atcatccttt ttaagcctct  420
gaatagtatt tactttttgc ctctaagata ccttttgggt gaaaaaagtt gtgttttggg  480
catcggtttt tagccaattt gcacaagaac attggtctca cttattttcg tctgcaaca  540
agacatcacc aagagtattt ttaccaacta ttattttacc ttccactttg ttagtctaca  600
taggaagttg gaagc                                         615
  
```

<210> 11000  
 <211> 601  
 <212> DNA  
 <213> Glycine max

<400> 11000

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agctttacac aacaaatatt taattgttgt gtgatcagtg taaattacta ttttttatcc   60
taccagataa gaccaaattt tctcaagtgc aaacacaatt gccagtaatt ctttctcagt  120
tgtggcatag ttaatctgag catcattcaa aactttgcta gcataataga tgggtatggaa  180
tattctacct ttccactgcc caagtacagc acctactgca taatcacttg catcacacat  240
caattcaaac tcttgcccc agtctggtga cgtaatcaca ggagcagaaa ccatttttagc  300
tttgagagtg ttaaaggctt ctgacactc ttcattnaat acaaacacag cttccttggg  360
caatagattg cttaagggtt tagcaatctt ggagaagtct ttaatgaatc tccgataaaa  420
ccctgcattg cccaaaaagc tgcataatgc ttctgcattg actgggggtg ggagttttatc  480
aataacatct aatttagctt tatccacctt tttcctttt ttagaaatct tgagtctag  540
  
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cacaatgcct tcttgaacca taaagtgaca ttttttcata ctttagcacc atattggatt 600

c 601

<210> 11001  
<211> 553  
<212> DNA  
<213> Glycine max

<400> 11001

agcttcccgc tgatgggtatt tatagtttaa tgataccatt gcttcctttg gatttaaggg 60

aatcattgtt gatcaatgta tatattttaaa ggtcagtgaa aataaggtaa tattttttat 120

tctgtatgct gatgatatct tgcttgcaac taattatctt ggtattttcg tgagattaag 180

aagtttctct ttagtaattt tgaaatgaag gatatgggtg aggcaagcta tgtgatagga 240

atataaatat tcagagacaa atcacaaagga ctattaggct tgttctagaa aacatatatc 300

aataaagtac tagagagttt caagatgaaa aattgctcag catcacccat tccaattcaa 360

aaagagacac atttagtctt gcataatgcc ataagaatga tttggaacga aaacaaatag 420

aagcaatttt gtatgcactt gttgatgaaa gtattatgta tgcttagatt tgtacttgac 480

tagtcataag ctttgcaact tggatgttaa gaagatatca aagtaatctg ggaattgaaa 540

cattggaaaa act 553

<210> 11002  
<211> 610  
<212> DNA  
<213> Glycine max

<400> 11002

agcttttctt tgagaaaagc aaaggcttgc tcttgttttt caccacaggt aaacgccata 60

ttctttcttca ccagctcatt gagaggagat gcaattgtag agaaattagg aacgaacctt 120

ctatagaagc ttgctaacct atggaagctc ctaacatctc ccacactttt tggggtggac 180

cattcttgga tggccttgat tttctcaggg tccacttgga cccactttct accaactaca 240

aaccctaaga aaactatatt atctacacaa aaggtaactt ctctatattt gcatagaagg 300

tgtttttctt aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc 360

tattgtacac taaattatca tcaatataag caactacaaa tctacctatg aaatccctta 420

agatatgatg cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca 480  
ctagccattc atacaaacca aacttgggtct tgaaagcggg ttttcactca tcaccctttt 540  
tcactctgaa ttggtgataa ccacttttaa gatcaatttt tgaaaagata ttggcaccat 600  
gccactcacc 610

<210> 11003  
<211> 488  
<212> DNA  
<213> Glycine max

<400> 11003  
tataataaat cgatacgcta gaaattaatt ttcgaaaact ctcgagaaat tcaaatggcc 60  
atatcttttc acaggatgtc tgattcgggc gcataatatg tcgagaggct cgaaattgaa 120  
cacttgaagc tcttgagaaa ttccaatggc cataagtttt cacacggatg tccgattccg 180  
gcttataata tatcgatagc agcgaaatta aacatcgga actctcgaca aattcaaatg 240  
gccataacgt ttcacacgga tgtccgattc gggcgcataa tatgtcgaga ggctcgaat 300  
tgaacaacgg aagctctaaa gaaattcaaa tggtcataaa ttttcacacg gatgttcgat 360  
tagggcgat caccataga gacgctcgaa aatgaaatat tgaagctttt gagaaattaa 420  
atgggcataa cttttcacac cgaagtccga ttcagggtca taatatattg atacgctcca 480  
aattaaac 488

<210> 11004  
<211> 347  
<212> DNA  
<213> Glycine max

<400> 11004  
aacttaaagt agctgcttgt catcagtcgt gacttttttcg taaaaatgac atcgtagaca 60  
tcaagagac attcctagaa cgcacgcggc aggtacatat agcttaaaac ctccagaatct 120  
gaactcaatg aatggcggtc atattataga tgaatgctgc gccattgact cttgctctct 180  
gaaccataga ctaaaactca ttctcttcg tccctggaag agacaagcga aacaggatat 240  
catcttcaca ctctccaatg tccacaagcc ccatggttgg cccaatcccc cctgtagcca 300  
cagttccagt caagccaaaa ccattcttgg tagcagccac aatatca 347

<210> 11005  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11005

tgtgatgttn tccggcgatg ctgaatttgt tgatgggtgct cataatatc ttaacaaaga 60  
 cagtgaata ggccgtggag gatttggagt tgtttattgc actgtcctta gagatgggtca 120  
 ttgtgttgca atcaagaagc ttacagtgtc cactttgacc aagtctcaag aagactttga 180  
 gagggaagtt aaaatgcttg ggaagatcaa gcatcaaaat cttgtggcac ttgaagggtta 240  
 ttattggact ccactcctgc agctcctaata ttatgagtac ctaggcagag ggagtttgca 300  
 aaagcttcta cagcatgatg atagcagcaa aaatttgctt tcttgagac aaagggtcaa 360  
 gatcattctt ggaatggca 379

<210> 11006  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<400> 11006

tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60  
 tcttaagaag gggggtttga attaagatat cccaaattac ttcccaatt aaaaatttat 120  
 ttcactttct tttcaagtta tagattcctt taacaatgaa cttcttaaatt attaatcaa 180  
 ataaaaaat ttgaatatga atgtaaagca ataataaaca aaggagatta agggaagaga 240  
 aagtgcaaac tcatatttat actgggttcgg ccacaccctt gtgcctacgt ccagtcacca 300  
 agcaaccgcg ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360  
 aggacaatca ttcctttgta tttagaattc attta 395

<210> 11007  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<400> 11007

tcaacttgtg ctacatgcaa cattccgcac gaaagatctt ggccaactca catgtttttt 60

aggattggag gtacatcatc gatcaaatga catatTTTTa aaccagcata agtacattca 120  
 agatttgata actttggctg gtttgaagg cactacttca gttgatactc ctatggaagt 180  
 aaacgtcaaa tacaggaaag atgaagggga tcttttggct gatccaactc tctatcggtg 240  
 tttggtggga 250

<210> 11008  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<400> 11008  
 tcaacattca atttcgagcg tctcgatata ttacgggact caatcaaaca tccgtgaaaa 60  
 aagttattgt cgtttgaata tgctcagagg ttcaacattc aatttcgagc gtcttgatat 120  
 attacgggac tcaatcagac atcccgagtaa aaagttattg tcgtttgaaa tggctcagag 180  
 gttcaacatt caatttcgag cgtctcgtaa tattacggga ctcaatcaga catccgagta 240  
 aaaagttttt gtcgtttgaa ttggc 265

<210> 11009  
 <211> 405  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11009

actcgatgt ctgattgatg tccngtatca tatcgagacg ctcgaaatng aatgttgaac 60  
 ctctgagcca attcaaacga caataactnt ntacaggat gtctgatcga gtcccgtaac 120  
 atattgagac gctcgaaatt gaatgtngaa cctctgagcc aattcaaattg acaataactt 180  
 tctactcgga tgtctgattg agtcccgtaa catatcgaga cgctcgatat tgaatgttga 240  
 agctctgagc caatacagac gaaccataac ttttactcgg atgtctgatt gagtcccgta 300  
 acatatchag acgctcgaaa gtgaatgttg aagctctgag ccaataactaa cgaccataac 360  
 tntttactcg gatgtctgat tgagtctgc aacatatcha gacgc 405

<210> 11010  
 <211> 264  
 <212> DNA

<213> Glycine max  
 <400> 11010

tctgagttaa aagttattgc agtttgcatt tgcataaagc ttccgctttc aactacgagc 60  
 gctcgcgatatt attactggac tcaatcgatc atcagagcaa aaagttattg tegttagaat 120  
 ttgttcagtg ctcccggttt caatttggag cgtctcgata tattacggga ctcaatcgga 180  
 catccgagta aaaagttatt gttgttagat ttgtctcata gcttctattt gaatttgcta 240  
 cgagcttccg ttttcaattt ggag 264

<210> 11011  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <400> 11011

tctcgatata ttatgcgcct gaatcagact tccgttacat aagttatgac catatgaatt 60  
 tctcgatata ttatgcgcct taatcggact ttctgtgac aagttatgac catttgaatt 120  
 tctcgatagc attcgttgtt caatttgcag cgtctcgata tattatgcgc ctgaatcgga 180  
 ctcccggttg acacggtatg accatctgga ttgttcaaga gcatccgttg ttagatttcg 240  
 agtatctcga tatattatgc gcctgaatcg gacatccgtg tgacaagtta tggccatatg 300  
 aatttctcga gagcatctgt tgctcatatt cgaacgtctc gatatagtct gcgcgttaatt 360  
 cgaactttcg tgtgacaagt tatgaccatc tgaa 394

<210> 11012  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11012

ctctagaagc ttggttgatc aatttcgagc gtgtcgatat gttatgcacc tgaatcggac 60  
 ttccgtgtga caagttatga ccatntgaat ntctcgagag cattcgttgt tcaatttcga 120  
 gcatctngat ataatatgcg tccgaatcgg acttccgagt gacaagttat gaccatctga 180  
 gattctcgag agctctcggg tctcaattta gagcatctcg atacgt 226

<210> 11013  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11013

ntgtgctcaa tttccactgg aagatgacat gcctttccaa agacaacccg ataaggagac 60  
 attcctatgg gtgctttgta ggcagtcgga tgcacccaga gagcatcatc aagcctggta 120  
 ctccaatctt tctgcttgg ctgcacaatc ttctctaaat ttgccttgat ttctcgggta 180  
 gaaatttctg cctgtccatt ggtctagggg tggatgggtg tggataccct gtgtaccacc 240  
 ccgtactttt taagcagggc atgcattgtc ctgttgcaa aatgggttcc ttgatcacta 300  
 acaattgctt taggtactcc aaacctgcaa aacaa 335

<210> 11014  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11014

gcttaccgat gtgcatgtgc tgetgatcga actggacatg ctntattggt cactctctat 60  
 ggccaagcta tgagacataa taccagtnn tgtgtggaat atatngcatt ggatcttgta 120  
 atgaatagtg atggttaagt gttgcagaca acatcttgac tacacttata ttgcaatcaa 180  
 ttaaaactaat taagtcttag cattcattgg ccttgatgag taaatatccc atgtacttca 240  
 cattacttga taaaaattgt aattgtgtta tctcttccaa tggtaatggc tctattaaac 300  
 aagcattcaa tggtagaaaa anatgtctgt cttgggtgat gtgcaagtta cctatttctt 360  
 ctatattgat atgantgcac ttcgcagagt gattgcttga tatgacgatg gacactacat 420  
 cgttaagctg ttcacaattt ggccagggta caatttct 458

<210> 11015  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11015



tagtccata ccattgttca ctgaactctt cagaactgat ggggaacagg tccttaagtt 60  
 tcccacacct aaagtaattc aaggtagtac attaaaagca tattcctgat cctagcaata 120  
 tttatattca taaataaaca tggtaaagctg atacatcttt tgaaatgtnt tttatttgga 180  
 acagtgaatc tgtctggatg gatgactgat gaagagtttg caagagagat gattgctgga 240  
 gtaaatccac acattattaa gaaacttgag gtaaatttac tattgaactg ttaagtacat 300  
 aaaactataa acnatttata cacttgtaa atttgcagtt gataacctta actcattgca 360  
 aattatattt att 373

<210> 11016  
 <211> 309  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11016

cgagacacnc gacattgact aaaggaagtt gtcgagatat tcacatggtc acaacttttc 60  
 actcggatct ccgattcacg cgcataatat atcgacacgc tcgacattga acaacggaag 120  
 ctctcaagac atctatatgg tgataacatt gtactcggat gtncaattcc ggcataataat 180  
 atttctagac gctcgaatat gaataactga agctctcggg acattcaaat ggtcataaca 240  
 ttctcgacag atgtctgatt catgcgcata atatatcgag acgctcgata ttatcatcgg 300  
 aagctcact 309

<210> 11017  
 <211> 427  
 <212> DNA  
 <213> Glycine max  
 <400> 11017

tatcaaaatg cgcttaggcc cactccaatt cttttagccc agacttttcc agaatcctta 60  
 aagaggggac ctatacttca aacggtagta tgacttccat tccatacacc aaagaaaacg 120  
 gatttgcccc agttgatgtg cgactaagg ttcggttaacc atgcaacgcg aaagggagca 180  
 tctcgtgcc aatctttatat gacacogtca tcacttgaat gatcttcttg atgttcttat 240  
 tggcgtctc aaccgcccc ttcattctagg gcctgtaagg catggaattc tgggtgttga 300  
 tcttgaaatc cttacacatt tccatcatca tcttttatcc aggttggttg catcgtccgt 360

gataatcttc atgggcaacc catactgaca gattatctcc ttcttgatga atctaaccac 420  
 cacgctc 427

<210> 11018  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11018

ntctcatttc cagcctcttt tectgtccca tattttggtg ttgatgtaca taaagtcctt 60  
 ccctcctaaa tggtaggaga acataaattt tagagttgaa gatgcattgt tatatatgac 120  
 cttttacaat gatatggaat tagaaaaatnt attgaacaaa aattcattca caaaaagttt 180  
 cacaagatta atacgtagct aataacaaat gggttataag aatggcgaaa aatattgttc 240  
 atcacctgtc catataaagt tgcatttaca acacctgaat gcatatgagc agtgccataa 300  
 attagataac ctcttttttc cattgggatg ttttcttttt ggacatgagg agaataacca 360  
 ccaccaccag ttgctggaat ggtatactct 390

<210> 11019  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11019

gtcacacggg atatacataa ccaannaatg actacaaatt ataaaggagg tctattttgt 60  
 tgtcangaca acttacaatg caagcaaata gagggttntc aagggtcaag gagaatgggt 120  
 tccttaagat acanaattag ttgggttgat tggaacatat accaaatacc agttaagggt 180  
 tacatacttg attccaccga caaagtgagg tcaaatgggt ccaaaaatact tcatgattgt 240  
 ctggtagata atgtttccaa gacagtactt tatgataaaa caatatactc ttcaatctta 300  
 tagagtgagt gaacaanagt aaatctaatt 330

<210> 11020  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations

<400>        11020

tcttctcttt cacttcattgt atgctatang atacgaacaa tcgtatgaag atgggtatag    60  
tggaagagag acatggcttc tatcacctca taccagacca nacagacana agccattgct    120  
cgaccattat tcaccctana tgcaatatta tcccaataga atctttggca ttttgaatgg    180  
gccatctatc aacagaaaga ctgcaatgta tgaaacctta ttatcccatg atgagaaatg    240  
ataanaactn tgtgtgtaat acatgtcact atgcgaaaca caagaagctt nctttttctc    300  
gagcatttca catgcatcac atacttttga ttacttcaca tggatatatg gggtccttgg    360  
tcanaaccat ctatgcacgg gcacaagtat ttcttaact                                399

<210>        11021

<211>        415

<212>        DNA

<213>        Glycine max

<223>        unsure at all n locations

<400>        11021

tcattgcttat ctatgtatgg caaaacttca ttactgttgt tcaagacata caagtgaagct    60  
tgtaacaaat cttctacact tggagtgate acctgcagtc ctcttgaacc cttaccaccc    120  
actctgtcat catgctgaca ctcaggaagc ccaacagctt tagccttctc taagtattct    180  
aaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttccggacga    240  
tatagatttt ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gcacatccac    300  
cgtagataaaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc    360  
atgatgtcaa agaaagcagg gggaaaatac atctncaact ggcacagtat aattg            415

<210>        11022

<211>        362

<212>        DNA

<213>        Glycine max

<400>        11022

tgcttcaat gccactctca cctctccaa tacaaggcat tggaactttg cttcaacgtt    60  
tcctcaacc gtttgccagc atccacacca aacctcttct tgataagtcc tccatataat    120  
tccaccacta ctactcctc actttccaat gccttggttg cagccttcaa acgtgctcag    180

gctcaccaac gccgtggatc cattgatcag aaccagcagc aaccatttt gactttaaag 240  
 attaaagtgagg agcagctcat agtctctatc cttgatgacc ctagtattag taggggtcatg 300  
 cgagaagctg gtttctctag ctcccttggt aaaacaaggg ttgaacaagc tgtttcaatg 360  
 ga 362

<210> 11023  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11023

gctgcccgaag tttcatgac ttgtaggtga agatcctcat aagcatctta aggagttcca 60  
 tattctntgt tctatcatga agccccctga tgtccaagaa gatcatatct ctctgaaggc 120  
 ttttctcat tctctggagg gagtggcana agattggcta tactaccttg cgtcccggtc 180  
 cattttcagc tgggatgagc ttaagagggg ttcttggaat attcttccct catctacgac 240  
 cactccatta ganaaacatt naggcatcat acaacttagt nagagagctt gatgagtact 300  
 ggaagatca agacatgtgg cgagctgctt cacaccgatt tngcaaactc ctctcatatt 360  
 ctatgaggac tggcactgga aggagatgat tgtg 394

<210> 11024  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11024

gctctcatta tatgcgctg aatcgactcc gttgaaagtt attccatttt tatctctcga 60  
 gagncttggt tcttcaatnt cgagcgtctc gatataatga gcacctgaat cggactgcgg 120  
 tgtgacnatg ttatgaccat tgaatntctc gagagcttcc gatgttcaat ttccagcttc 180  
 tcgatatatt atgcgctga atcagacttc cgtgtgaaaa gttatgtcca ttggaatttc 240  
 tcgagagctg tcgatgttcg atntcgagca tctcgatata tcatgcgctt gaatcgagca 300  
 ttcgtgtgac aagttatgac acattgaatt ct 332

<210> 11025  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 11025

gtgacctatc aaactcagct ttcagcaaat tcaaacgaca ataacttttt actcggatgt 60  
 ctgattaagt cccgtaatac atcgagacgc tcgaaattga atgttgaagc tctcagcaaa 120  
 ttcaaacgac aataactttt ggctcggatg tctgattgag tcccgtaatc tattgagacg 180  
 ctcaaaattg aattctgaac ctctgagctt attcaaacga caataacttt ttactcggat 240  
 gtctgaatga gtcccgtaat acatcgagaa gctcgaaatt gaatgttgaa gctcttaggc 300  
 tattctaacg acaataactt tttt 324

<210> 11026  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11026

tcgtctcgat atattacgag tctcaatctt acatctgang ataaaagtta ttgttgtntt 60  
 gaattgctga gagcttcaac attcaatntc gagcgtctcg atgtattacg ggagtttagtc 120  
 agacatccga gttaaaagtt attattgttt gaatntgctg agagcttcaa cattcaattt 180  
 cgagagtctc gatattgtac gggactcaat cagacatccg agtaaaaagt tattggctctg 240  
 tgaattagct ctgagggttca gaatacaatt tcgagcgtct caata 285

<210> 11027  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<400> 11027

gtgagccaat tctaacgaca ataacttttt actcggatgt ccgattgagt ctagtaatat 60  
 atcgacacgc tcgaaattga atgttgaagc tctaagccta ttcaaacaac aataacgttt 120  
 tactcggatg tccgattcag tgacgtaata tatcgggatg ctcgaaattg aatgttgaac 180  
 ctctgagcca actcaaacga caataatgtt ttactcggat gtctgattg 229

<210> 11028  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11028

ggctatatag aaacaagtgc nttgattntc atgtgggtgtt tccaatttct gcaactctat 60  
 tacagatgtt ctcaaaacaa tatgtggttg tcggtacgag tggcatgata taattttaag 120  
 cttgagataa atgctttaa aatgtgacca ttgtctcaa aaaaattctg cacacatcat 180  
 ttacttatat gtaatgcgtt atacataaaa catgggattg tgacacagga tgactgatgc 240  
 tgcattttat ataatttatt cataaatata taggaaagta acacaaatag gctgagtact 300  
 tttaaaatca caacttgtat ttaaacaac tctattgaaa atatataaaa tgccactata 360  
 tcaaggctta taaagtattg tagattttta gttaaaatca gtattacagt accatatgta 420  
 tgat 484

<210> 11029  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11029

ntagttcatt gcttcaagta gtgctaatat gcttctagag gaaaacacgt tgccaaaaag 60  
 ttactattag gccagaaga tattgtgccc gatgggtatg gaggatcaaa agattcatgc 120  
 tttccctaag gattgcatac ttacagaca taagtttgaa ggaatgcaca aatgccctag 180  
 gtgtggggta tcacgatata aagtgaagga tgatgacgag tgtagtagta ctgatgaaaa 240  
 ctcaaataag gtccccccag caaagggtgtt gtggcat 277

<210> 11030  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11030

ntaaatatct gatgacggga atcctcatct gggagtggta tataaatcaa ttggtgcaga 60

cgacctgttc gcagaagcgc gggatctata atgtctggtc gattagtggc cccaatgatg 120  
aacacagctt tctttgctga catcccatgc atctctgtaa gcaattgatt cacaaccctg 180  
tcacacagcgc caccagcatt tcttacctg ctgcctctct gcaagatgag gcacacatgt 240  
ttttctacaca taacaagaca ttactgtagt cttaagtact aagtcacact aattagctat 300  
gttttaaatt tttttaaata catacgaatg cctgagaaac ccatacttct atctgat 357

<210> 11031  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11031

atctanngtg gaggaatcat ccannattga gatgggcaag tcctctacaa caacaatagc 60  
ctgtccctta tntccaaaat gttgctggtc caagcaagcc atatgttct cctccaatgc 120  
atcagtagta gtaacaacaa caacaagac aacaagcaac tgaggccct tcttaacctt 180  
ccttagagga gttagtggg caaatgacca tctagaatat gcaatttcag caagaaacaa 240  
gagcctccat tcanggtctg acanacaga tgggtcagat ggctactcag ttgaaccaag 300  
cttagttcca aaattctgac aaattgcctt cacagactgt gcagaaatct gaaaatgtga 360  
gtgccatcac cttg 374

<210> 11032  
<211> 345  
<212> DNA  
<213> Glycine max

<400> 11032

gagcgtctag atatattacg ggacacaatc agacatctct agtaaaaagt tattgccatt 60  
taaatttggg gagagcctct gtattcaatt tcgagcgtca agaattatta aatgactcaa 120  
tcggacatcc gagttaaag ttattgtcgt ttgaatttgc tttagattac tattctcaat 180  
ttcgtgcgtc tcgatatact acaggactca atcggacttt ccagtaagaa gttattgtca 240  
tttgaatttg ttgagagctt ctatattcaa ttctgagcgt cttgaattat tatgggagta 300  
aattctacat tcgaagtaac aattattatt cgttcaattt gctga 345

<210> 11033  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11033

ttgagacgct cannattgaa tgcaggagct cttaccanatt tcanatgccataaactntnt 60  
 actcggatgt ccgattgagt cccgtaatat atctagatgc tcanaattga naacagaagc 120  
 tetgagcaaa ttcaaacgac aatagctntt gactcggata tccgattgag tcatttaata 180  
 attcgagacg cctcaaattg aatacagaag ctctaagcaa attcaaatga caataacttt 240  
 ngactcgaat gtncgattg agtcatttat 270

<210> 11034  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<400> 11034

tgtttcaaac catagatgga tttatttagt ttgcaaacca tagactttga gtcacctgat 60  
 acaaagtttt ctagtgtcat catataaatt gtttcttcaa tgtcaccatt tagaaacaca 120  
 gtcttaacat tcactgtatg tagctctaaa tcataatgag ctaccaatgc cattattggt 180  
 caaaaagaat cctttgaaga tattggaaaa aaggtttctt tatagtcaat gccttccttt 240  
 tgggtaaaac ctttagcgac tagacgagca acattgccct ttgaatccct tttggtttta 300  
 aatatccatt tgcaaccaat aggtttcaca cttttaggca attcgacgag atctcaaacg 360  
 tcattgtctt gcatagattt catctcatcc ttcattggcat tcattccacat ttgagagt 418

<210> 11035  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11035

ctcagcttgc cttgctcctt gattattgag ggactcatgg tcaactatgaa tgacaaattc 60  
 cttgggataa aggtagtgtt gccatgtttt caaagcccg actaaggcat acaactcctt 120



atcataagtt gaatagttaa gggtaggacc acttaacttt tcactaaaat aagcaattgg 180  
 atggccttct tgcacaaaca cagccccaat cccaacattt gaagcatcac actcaatttc 240  
 aaaagatttt tgaaagtttg gcaacgcaag tatgggggca ttagttagct ttgacataag 300  
 aacattgaaa gctttttttg tttnttttcc catttgaaac caactttt 348

<210> 11036  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<400> 11036  
 cttggagttt ccaagtgcc attcgtcttc ttcttttgtc cagtcttctt ctgacttcaa 60  
 ttcatcagtg ggttttcctt ctgtgtccag catcttggga tgttcccagc ctttgatgac 120  
 agctttccag gtcttctcat ccagtgtatt gaggaaggcc accatccttg ctttccagta 180  
 ttcatagtgt gttccatcca taattggtgg tctgttcaact ggtcctcctt ctttctccat 240  
 gttcatcaga atttatctcc ctatgcttca ctacgtgact tcgagtg 287

<210> 11037  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11037  
 ctctgtgctt ctntgagaag ctntctcaag aagcttctnt gagaagctag atccttacct 60  
 atccacacnc ctctanttaa cttaaattaac ctcccttaaaa taattatgga tgaaaataac 120  
 gcaacanata atcaaacacc aaacataatt actaataata tatagatata tatatcaggg 180  
 tgttatagaa catgcagttt cagcaggaga cttaggcctc aattcagagt ttaacaaatc 240  
 agatggtgta gatggccacc cagctgaacc aagctcaatc acaaaaactct gacaagcgg 300  
 cttctcaatc tgtccagaat cccanaaatg tgagtgtcat taca 344

<210> 11038  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11038  
 ntatcaaagt gatgttaaaa gtgcttttgt aaatggetta attcaagaag tatatgttga 60  
 acaacctcca ggttttgaaa tatcagataa gccaaatcat gtttatagat tgaaaaaagc 120  
 tttacatggt ttgaacaag cccctaggg catggtatca acgtctaaga aaatttcttt 180  
 tagagaaaga tttttctaga ggaaaagtgg ataccacact attcataaag agaaagtatg 240  
 atgatattct gttggtttaa atatgtgttg atgatataat atttggatcc actaatgatt 300  
 cattgtgcaa ggagttctct ctgatatgc aaagcgaatt tgagatgtca atgggtgggag 360  
 aactaaatta ctttctatgg ttacaaatca accaaactaa a 401

<210> 11039  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11039  
 gaacaccgag actatttagt ctacaaaatg caagaactac gtatgtctga gttcctcatc 60  
 acaaattgag gatacgtagg agcaaaagcc ncgcttttgt cgaccacctc gccttttgc 120  
 atcgtgacct gtgagaacgg tggcacgcgg aaacaccgga tggttattcg cgcacactat 180  
 atgctatccc atgacctatg agtcgggtgg caccgggaga caccgatgg gtatccgcgc 240  
 acactctatg ctatccaatg a 261

<210> 11040  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<400> 11040  
 atggcactca catttttctgg attctgcaca gtttgtgaag gaaatttgtc agaattttgg 60  
 gactgagctt ggttcaactg agtagccatc tgccccatct gatttgtcag actctgaatg 120  
 gaggcttttg tctcttggct gaaatgcata ttctggatgg tcatttgcct cactaactct 180  
 tctaaggaag gttgaggagg agcctcagtt tcttgttgtc ttttgtgtga ttgctgctgc 240  
 tgtattggag gaggaacata tggcttgcct ggaccagcaa cattctggaa aggagggac 299

<210> 11041  
 <211> 344  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11041  
  
 tcacctctaa tgagctggtg aagaagaatg tgtgcattta cctgggtgaa aaacaagagc 60  
 aagcctttgc tttgctcaaa gaatagctta ctaaggcacc tgttctagct ctctctgact 120  
 nttctaaac tattgagcta gaatgtgatg cctctggagt gggagttgga gctgtattgt 180  
 tacaaggtgg gcacctatt gcttatctta gtgaaaaact tcatagtgcc accctcaact 240  
 accccacctta tgataaagag cntntatgcct taataagagc cctncaaact tgggaacatt 300  
 accattgttc caggagattg tcattcatag tgatcatcaa tcac 344

<210> 11042  
 <211> 432  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11042  
  
 acagagaaac ttttgaagat agttgaaaag ntttttcaac cactgagtag cacatgagat 60  
 tttctcanag cctttttacc aaagaagttt tactctttgg taatcgatta ccagattatt 120  
 gtaatcaatt accagtagca gaatggttnt caaaaagctt tcaactaaat ttacaacatt 180  
 tcaattgatt tcaaaatggt gtaatcgatt acaatgttgt ggtaatcgat taccagtgtg 240  
 cttgagcgtt gaaattcana ttcaaatgtg aagagtcaca tcctttcaca aaaaagattt 300  
 gtgtaatcga ttacactgat ttggtaatcg actaccaatg atagtttctg aacaaatcag 360  
 aagatgaaca cttacatagt ttgactctt caaatcggtt aagttttcta acgcataact 420  
 ttctatggtc tc 432

<210> 11043  
 <211> 346  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11043

atatatagag acgctcgaaa ttgaacaaca gatgctctct agagatgtaa atggtaaaaa 60  
 tttttcactc ggatgttaga ttcaggcaca taatatatcg agacgtttga aattgaacac 120  
 taaagctctg gtccaattca aacggccata acttttaaca tgggtgtatg attgacgccc 180  
 atgatgtatc gagatgatag aaattgaata acggatgctc tcatgatata cacatggcca 240  
 caagttntca ctcgtatgtc agattcagga acataatata tagagacact cgaaattgaa 300  
 cacggaagct ctgggtccaaa tcatatggcc taaactattg acatgc 346

<210> 11044  
 <211> 400  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11044

tcttttagact gggctgttca tgcagtcctc ttagaccctt atctgccact atntcgtcat 60  
 gccaaaggctc cagaacccca acagggtttg cctattagat gtactcggaa taaacctcaa 120  
 tagctncttc cgcaatgtac ctttcaaca tatatacttc aagacagtgt agattctttg 180  
 tatacccttt taagatctcc atgtattgct caatcgggta catccaccac aaataaacgg 240  
 gaccgcaacg attaatctct ctcaccagat gaacaattaa gtgaaccatg atgtcgaana 300  
 acgaaggaga aaaatacatc tccaattgac acaagataat agcaacctca tnttttacct 360  
 catctaactt aagaggatca atgactatgc tacatttgac 400

<210> 11045  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <400> 11045

ctaccatcct caactcacgg tcaaaactgaa cggaccatc aatccctgga ggaccttttg 60  
 aggtcatgtg tcttatagca aaaggggaga gctctctttc attgatagag ttcacttaca 120  
 acaacagttt tcaactctacc attggcatgg ctccctatga agctttgtat ggtagaaggt 180  
 gtaggacacc tctatgttgg cttaaagcct gagaagacct caccttatga cttgaagtgg 240  
 tacatcaaac caccgagaag gtcattgtga tcc 273

<210> 11046  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11046

cttaatcgtc accttattca actggcgga gtctacacac aacctcatgg tcttatcttt 60  
 cttctttact aacaacactg gtgctcccat gggagataca ctgggtctca caaactgctt 120  
 ctccaaaaac tctctaaact atntcttaag ctgggctaac tctataggag acatcttata 180  
 aggcgctatg gatataggtc cagcaccagg taccaggtct atggaaaact ctatctctct 240  
 cttgggtggt agaccaaata tatccttagg gaacacttca ngaaactctn ctgacatagg 300  
 gagatcacac atggaaacct ttgtctctat ttccaggnta gacaagatca tgtaca 356

<210> 11047  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11047

ataaatagtt ctgggaggtc cgattcaggc gcattatnta tcgagacgct cgtaattgaa 60  
 caacggaagc tctcatgaaa ttcattggtc ataactttta actcggagggt ccgattcaag 120  
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcaagaa atttaaatgg 180  
 tcaaaaacttt taactctgag gtccgattca ggcgcataat atatcgagac actcgaaatt 240  
 gaacaacaga agctcttgag aaattcaaat ggtcataact tttaactcgg aggtccgatt 300  
 caggcgcatt atatatcgag acgctcgaag atgaacaacg gaagctctctg agaaattcaa 360  
 ttggtcataa cttttaactc ag 382

<210> 11048  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11048

tggtagaata tggtgttaaa ctatcacctt atattgcatg agtggtttct ttgtgccaac 60

atctcttaaa gaccaactac gaagaataat gaatagcttt tgggtggggtt tgaaatatgc 120  
 aaattcaaga gaataatttg gttgaattgt gataaaatgt ctatgaaaaa aagagtttgg 180  
 aggaatggaa ttccgcaact tgcattgatt taatcttgca atgcttggga agctagggtg 240  
 gcaatttacc acttataatg atgctaccat gacaaaaatt ctcaaagcaa aatattgccc 300  
 caatggcgat ttcttggatg cccaactnng gcatagtcca agctatgtat gacatagcat 360  
 ccatgcttca caggtoctcg ttagaaaagg gtttcaatgg agattagatg atggtgataa 420  
 aatcaacat 489

<210> 11049  
 <211> 204  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11049

tatcttaaga aggggggggt tgaattaaga tattccaaac ttttctccta attaaaaatc 60  
 tatcttactn ttactttaag ttatgaattc ccttaatgac aatcttctta aatgttaatt 120  
 cagatgaagc aaccttgata taaatatata gcaataatta ttttaaggaga tttagggaag 180  
 agaaaatcaa actcagttta tact 204

<210> 11050  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <400> 11050

gctgatgcaa caattgttag cccgggctat acgagacatc ttgccaaaca aagtcaagg 60  
 agcgataact cgcctgtgct ttttcttcca tgctatatgt agcaaagtca ttgattcagt 120  
 caagtttgat gagttggaaa atgaggccac aattatactg tgccagttgg agatgtattt 180  
 tccccctgct ttcttttaca tcttgatca cttgattatg 220

<210> 11051  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 11051

tggaatgaac aaggaagaaa gatgatctga ggcncactt cgaggagaat atgagtcaag 60  
aagaagctca ccaccatacg aagccatgga taaaagcttg aaggtaggag aatatgagtg 120  
gagagaaatg gagagaagaa gcacgaaatt ttgtgcctca caagaggtct aaactctgaa 180  
gtataattct caaatgatca aagttgaaaa aatacacaca catggcctct atttatagcc 240  
taagtgtcac acaaaattgg acggaaattt gaatttctat tcacatttca cttgaattag 300  
aaattgaatc tgcggagcca aaatntcact aattatga 338

<210> 11052

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11052

gtcacctgat gcatgcaagc atatacagat cttctagact tgggctgata acatgcagtc 60  
ctcttaaacc cttacctccc actttttcgt catgccaagg ctccagaacc ccaacaggtt 120  
ttgcctatct gatgtactcg gaataaacct caatagcttc ttccgcaatg tacctttcaa 180  
caatagatc ttccaggacag tgtagattct ttgtatcccc tttaagatc tccatgtatt 240  
gctcaatcgg gtacatccac cacaaataaa cgggaccgca acatttaatt tctctcacca 300  
gatgaacaat taagtgaacc atgatgtcga anaacgaagg agaaaaatac atctccaatt 360  
gacacaagat aat 373

<210> 11053

<211> 335

<212> DNA

<213> Glycine max

<400> 11053

tagagaaaca ttggcgcca cggagctcat ccaaaagctc gtcaatggtg ggaattggaa 60  
agcgatcacg aacggtaaat gcatcgggg caggtagtc gacaaaaaac cgccataacc 120  
catcactttt cttcactaac aacaccggag aagagaaagg gctcatgctg gggttgatga 180  
ggcccttttg gagcatgagg tccacctgac cttctggaaa tgcaggtaac gatacggccg 240  
catgttgatc ggagttgatt gtggaagaag gtggatatga tgatcaatgt tgcgctccgg 300

cggttaagcac catggttggt gaaacaagt cgtga

335

<210> 11054  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11054

agcttagact aagttcagcc taccatctc agactgatgg tcaaactgaa cggaccattc 60  
aatccctgga ggaccttntg aggtcatgtg tcttagagca aaaggggaga gctttctttc 120  
attgatagag ttcacttaca acaacagttt tcaactctacc attggcatgg ctccctatga 180  
agctntgtat ggtagaaggt gtaggacacc tctatgttgg cttaaagccct gagaagacct 240  
caccttanga cttgaagtgg tacaacaaac caccgagaag gtcaagttga tccaagaaag 300  
gatgaggact gctcagagta ngtagaaaag ttatcaggat aagaggagga aagacttgga 360  
attcgaggtt ggtgatcatg tattcttgag agtcactctg tggactgnng ttggctcgagc 420  
attgaaatcc caaaaactaa cacct 445

<210> 11055  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11055

agctgcattc ctctcttccc ttanacttct nttatttatt gctatttate tnttgctcta 60  
aagaagtcta tattgaattg tcttatgagt aattcatgtt aaggggtgcat tgttaatccg 120  
aaaagagaga ctgaaagctt aattgaggaa tagtctttgt atcttaattc gacccctttt 180  
tttcttaatg taactgaggt catttggtcca acatctctatt ttgacaact cgcttctcta 240  
agaagacaaa cattccggca tgataaaatg aggccacatg aacgtctgta tatttactcg 300  
anaacacaat caatcaaatg ccccttttct ttatgaacct ctttttggtta ttgatctta 360  
tgagattttt tac 373

<210> 11056  
<211> 333



<212> DNA  
<213> Glycine max

<400> 11056

tcttcttctt caccgaaaca tgtgaagggc ctaataacag aacaaaattc tctgctcca 60  
tgaacaacat atctttcgca cttccttcgg tggcgattct tcagcaacat ttctcagggg 120  
agggcaataa cgggtgtttac accacggact tcccagctgt tctctgaga gcctttaact 180  
acacggggac tccaccgaag aacaccattg tgaaaagagg aaccaaagtg gtgggtgatac 240  
cctttaacac gaggatgcag ttgggtgcgc aggacactag cattttaagt gcagagagtc 300  
atccgttaca tcttcattgt gggtaaggt ttt 363

<210> 11057  
<211> 342  
<212> DNA  
<213> Glycine max

<400> 11057

tatgttgcaa acatctacaa tagacctcct ctacctcagc agcaaaatca gccacaacag 60  
aacaattatg acctctccag caacaggtac aatcccggtt ggaggaatca tcccaacctt 120  
agatggtcaa atccttcaca acagcagcaa caacaacaac aaccttattt tcaaaatggt 180  
gctggcccaa gcagaccata cgttcctcca ccaatccagc aacaacaaca acaacaacaa 240  
ccccagaaac aacaacagct tgaggctcct ccacaacctt cctttgaaga acttgtgagg 300  
caaagtacta tgcaaaacat gcagtttcaa aaagatacca ta 342

<210> 11058  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11058

gtcacctgcg gcattccaag ctttctttgt gggttgatgg gttctgtcgc gtataatggc 60  
atgatcactg gctaacatat tctcaattag ctcatgtgct tcttcggng tcttcagctn 120  
ntattttccc cttgaagaag aatctagcag ttgcttggtt tgtggtctca gcccaactat 180  
gaacatatcc aattgaattg gctcggaaaa ctcatgggta ggagttcttc tcaatanacc 240

tetgaacctc tccaatgctn tactcagaga ttcattangg aactgatgaa atgaagagat 300  
 tgtagctntc cttttcgcag tcttagactc tgggaagtat ttcttttagaa acttttcaac 360  
 aacttcttcc cagggttttta gaatgttacc cttaaatg 398

<210> 11059  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<400> 11059  
 tgtaatcgac tacacatata cttttatcga ttaccaaacc acattttcag aaaatattct 60  
 caacagtcac atctttctat gggggacttg aatggctatc aaaggcctat atatattgta 120  
 cttgagacac gaatttgcca agagttttcc agaacaaaaa ggtcttatcc tcttaaaaaa 180  
 caaaatcggt ttatctctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240  
 ttatttgagt gtccaaattg ttcaatctat ctctttcaag agagattgct tcttctcttc 300  
 ttcttcattc tgaaaaggga tta 323

<210> 11060  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<400> 11060  
 tgggcattat caaaatgaat gtccaacttg ttaagattga gccaattatg ctgaattcaa 60  
 tgagaaaagaa aatgtgttgc ttatggcaca agaatgctcg aaagaaaagg tgtatgatga 120  
 gtcaaatgtg gaaatgtggt ttcttgactc tgggtgcagt aaccatatgg ttggaagaaa 180  
 agattgggta ttcaattttg atgatagttt cagagatttt gtaaaattgg gtgataactc 240  
 caagatgcct gtcattggga agggaaatct gaagctgtat attggtggat tagttcaggt 300  
 ggtaactgag gtttactacc t 321

<210> 11061  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 11061

tcttagtttc agatgacgta gattgggtta tggtacctc atgcactcct ctaatgacta 60  
 tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120  
 tggtttcaac aggagtcatt tctccaaggg ctccatcact ggcagcatct atcatacttc 180  
 tctccatatt actgagtcct tcataaaaat attggacaag aagttgttct gaaatctgat 240  
 ggtgggggca actgggacat agtttcttaa atctttgcc aatctcatac aggcctctct 300  
 cactgagttg tctaatacct gagatacct 330

<210> 11062  
 <211> 323  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11062

agcttctcga tatattatgc tcttgaatcg gacattcgtg tganaagtta tgaccattgg 60  
 aatntctcga gagctttcga tgttctatct cgagcgtctc gatataattat acacctgaat 120  
 cggacttcgg tgtgacatgt tatgaccatt ttagtttctc gtgagcttct gttcttcaat 180  
 ttaaggcttc tcgatataatt atgtggctga atcggaactc cgttgtaaag ttggaccatc 240  
 tgaatgtctg agagcttcgg tgtcattttg agcgtctcgt atattatgcc ctgacgggac 300  
 tcttgtgaca gtatgacatt gaa 323

<210> 11063  
 <211> 337  
 <212> DNA  
 <213> Glycine max  
 <400> 11063

tctatagaag gtctgttcct aatttctcta cagttgcac accctcctaat gacctagtga 60  
 agaagaatat ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120  
 aaaagcttac taaggcacct gttctagctt ttcttgactt ttctaaaact tttagagtag 180  
 aatgtgatgc ctctgaagtg ggagttggag ctgtattgtt acaaggtggg caccctattt 240  
 cttattttag tgaaaaactt catagtcca cccttaacta cccacctat gataaagagc 300  
 tttatgcctt aataagagcc ctccaaactt gggaact 337

<210> 11064  
 <211> 334  
 <212> DNA  
 <213> Glycine max

<400> 11064

tatgctgcaa acatttataa tagacccct cagcagcaaa tccaacaaca gtagaataat 60  
 tatgatcttt caagcaacag atacaatcca gggtggagaa atcatctaaa tctgagatgg 120  
 gcaagtcccc cacaacaaca acagcctgtc cctcctttcc agaatgctgc tagtccaagc 180  
 aagccatatg ttctctctcc aatacagcag cagcaatagc agtagtcaca acaaagacaa 240  
 caagcaactg aggcctctcc tcaaccttcc ttataagagt tagtgaggca aatgaccatc 300  
 cagaatatgc aatttttagca agagacaaga gcct 334

<210> 11065  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 11065

tggagtcaat ttcattttga atgtgttgat ctgtgatatt aaattgttta tttatcagtt 60  
 ctttgcactt taaagatfff aactttccaa cctcaatagg tgaaatgaat acatgaaatg 120  
 atacaataca tttattgtca actatgcaat gctttacact gaataaaaata tttgaatttt 180  
 ataaaagata tgcaaggtag agcgctgatt tttttgtaac tttaataggt atgtgtttat 240  
 tgtctataaa atatatttac actatffffff tattgttatt ataacaataa atttattata 300  
 caaaatcaaa atgaatgtta caaataaaaa ataaa 335

<210> 11066  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 11066

tatactatat cgagacgctc gaatttaaac atccgaatct cttgagaaat tcaaatgggc 60  
 gtaacttttt acaccgatgt cggattcggg cgcataatat gtcgagaagc tgcaaattaa 120  
 acaacgaaag ctcttgagaa attcaaatgg tcataagttt tgacacggat gtactattta 180  
 ggcaaatcac atatcgagac gctcaaaatt gaacaacggc agctcctgag aaattcaaat 240

gctgataaca ttttaacgacc cttaaaaatgg ccgatgcagg cttatactat accgattctc 300  
tcgaaatagc acgacacaag atcc 324

<210> 11067  
<211> 368  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 11067

agctagaatg ggacctcggt gtngaaagtt atgactcatt gaatttctcg agagcttccg 60  
ttattcaatt tcgtacgtct ctatatgtga tgctactgaa tcggacatct ggtgaaaaag 120  
ttatgaccat ttgaatttct cgagagcttc tgttgttcaa ttctgagcgt ctcgacatat 180  
tatgtctccc aatcgggcat ccgtatgaaa aattaagacc cattgaattt ctcgagcgc 240  
tcgatgttt aatategagc atctcgatat attataagcc tgaatcggac ctcagtgtga 300  
gaagttatga ccatttgaat ttctcgagag ctcccgctgt tcaatttcga gcgtgtcgac 360  
atattatg 368

<210> 11068  
<211> 222  
<212> DNA  
<213> Glycine max  
  
<400> 11068

aaagacttgg gttggggctg ggaagggcat taatctaatt ttcttgtatt gcaagctttg 60  
ttgtagattg aggggtataag acaaaagctt gaacctatct tctgagaaaa gctaattgtac 120  
cctttttgca aggatgtgca aaaattgctg taggttaatg ttatagtgtc attgattgaa 180  
ctaactgact tttttttgtt attggggattg caggtttggg gt 222

<210> 11069  
<211> 334  
<212> DNA  
<213> Glycine max  
  
<400> 11069

tatcttgtta ttgcataata ctttcttctt gcttatcacg cttatcttga gttcttttgg 60

atccctagct tttacctttt tttcaaacc ccaacaagaa agaactacaa cttaggaacc 120  
 aacatgtgtc atcattcacc tagtggttaat ggcgagggtta ctatgcataa ggacccttta 180  
 tcttgaatct tagatgagtt gagttccctc aagttatgga aagaaaaaat ataaagaaaa 240  
 aaaaggaaaa gagagggtta aaacaaatca agatgagagg gaacaaataa gggaagaaga 300  
 aagaaggaaa atactaaaag agttaagaaa agaa 334

<210> 11070  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<400> 11070  
 gctcgcagta gtctatacac attctgatgc aatccctacca cccaagggca ttggatagaa 60  
 tactccaaga agattgcgcc agagaatgcc ctatgggttct catgagcctt acggttagatt 120  
 gtgggcccac gggctaagta tgagcccact tatctttgta catattatat gaaggttgta 180  
 ttatttgtgg gccttatatt gagcgctcca taatgtatgc aggggtaccct ataaatgtaa 240  
 gatttctcag cctcgtatt ttacgacatc tagactagta tttgtatgaa ggtgagttgt 300  
 gtaattccac atgcattaca tgaatatttg atgtgtgaga tgagaaataa acttaattga 360  
 att 363

<210> 11071  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11071

tgtatcttat cattagatac gaatgaatga acttgattag taatctctat ccagctgcaa 60  
 cctgggactc ttgcatcaca cttgtttccc atcattctac gaactctttc cacatcactc 120  
 caatgtctat gggaagcata aatgttagac atgactgcat agtttacatt cttctctggc 180  
 tctatggtga agagctnctc tgcggcccac ttagccagtc ctatatttgc atggagattg 240  
 caagatgcaa caaatgctcc taatgtatgt gattcagctt ccattggcat tgacctcaag 300  
 aattcaaaag cctcatttat aagaccgtat cgtccaagaa agtcaacaag gcaggatatg 360  
 tgacctgaat catgaacaat cttatacaca ctggtcatta agttaagta gtgaagtctc 420

ttagtcacaa tgccacaatg agaacaggca gagagaaca

459

<210> 11072  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 11072

tcagaattca atttcgagcg tttttatgta tttcgagact caatcagaca tccgagtaaa 60  
aagtatatcg tcccttgaat ctgcttagag cttcaacatt caatttcgag cgtctcgatg 120  
tattacggga cttaatcaga catccgagta aaaagttatt gtgcgttgaa ttgctgaga 180  
gcttcaacat tcaatttcga gcgcctcgat gtattacggg actcaatcag acatccgaga 240  
aaatagttat tgtcgcttga atttgctctg aacttcacaa ttttatttcc atcatctcga 300  
tattttacgg gactcaatca tacat 325

<210> 11073  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 11073

tattaagagt tataaacaga attaataaat ctttttttac ttatatgaa catatgagtt 60  
attattatct gttttgggcc ccttatctaa gaaattttt aaacaatatg cagttcactt 120  
tetgagtttg gtgctcttgg aattgaattg gggttactcaa tggaaaatcc caattcattg 180  
ataatttggg aggtcagtt aggtgatatt gctaattggtg ctcatgtcat attagacaat 240  
ttcttggcct ctggggaggc taaatggctg cgtcagactg gtcttgatgt gctactttct 300  
catggttatg acggcca 317

<210> 11074  
<211> 327  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11074

agcttctctt gcantgatcc cncaatatca tgagcctctn gcaagggcat atccgatggc 60

atgacaatat caacctcaac anagtagtga gatccatatg tgtatgcccg aaccgtatca 120  
 atgtgcctta cagccttatg gtggttccag cataggtatg taagtntctg aagatactct 180  
 ggtgctgctg atcttcccac cagggagtta acatttttca acactgtcat tgaccatgtg 240  
 cgaatgggtg acaaagccag ctgctgtaga tgaattacac ataagctaaa caagttaa 300  
 ttatacaagt gaccacgtat aaaatga 327

<210> 11075  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11075

gccccagctc ttactccttg attatgcgct aaacttaact caacccttgt ccaagcttgt 60  
 tttgctnccg ccaccgctat cttcatctct taaaccttat tatatcgatg ataactatgt 120  
 gggacttgta ccacgttctg accgcgggtg tgccgctcta cgtggcgatg atcctggcct 180  
 acgggtccgt gaagaggcgg aagaacttca cccctgacca atgcttcggc atacaccgt 240  
 gtgtggcact attangaaat acactcctat ccttgcaact catcttcacc aacatacctt 300  
 atgccatgaa 310

<210> 11076  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11076

tgcttaacca ccttntcccg gtgaacgac cttcgacttc tggcgaggca cctccccaag 60  
 ctgaggaggg atgtgatgct tcaacttcaa ccagcacaaa gagtagtgat gatctgctga 120  
 tgcctaagga gttagcagca gcccaaccatc acattgagag cctttatatg aagagtacca 180  
 tttcagcttt gcatgttntg cagganattc gaaagggaag ctcaacagtt agcatgttnt 240  
 cattgccacc attgcagata agtggcttgg aagaaacatg gaacaaaatc cctattcttg 300  
 aacaaacagc caagtaatgt gcttgatata ttgnggattg aaaactagct agttntagtg 360  
 gcttgggagt tcacctttat ttattttttt tacttttcaa atct 404



<210> 11077  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11077

atcttaagtc acctgcggca tgcagctagg aggatgaagt tgagctgaat gctatcttgg 60  
 tgaaattgtg caaaaagtag aagtcataa gctagtccaa ttacaaatgc agtgaataac 120  
 cctacagtta actatagatt ntgtagtact tccttgaaaa tcacattggt tgttttattt 180  
 agtgggtntc cttctttatc atgaataaga aatttcaatc cagctttgct ctgaactctt 240  
 gataatgcc aataaagttg accatgacta anaactgggt gaggaagata taatccaaca 300  
 cartgaagag attagccttg agatntattg attgtcatgg catatgacac aataagtggt 360  
 aattgtcttc tagtcatctt gaaaggccaa ggagtntgag attgtgataa tgacattcgt 420

<210> 11078  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11078

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 ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120  
 tattgtgagt agcatntga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180  
 atctccacc ccgatgttg ctattcctga tgctgagaaa gatgttcaa catcttccac 240  
 tccaaatgct gaagtcctcc cttcaccag tgaagaggaa tcatcagagg aagaggatca 300  
 agccacagag gagaccctg caccacgggc a 331

<210> 11079  
 <211> 345  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11079

agcttgtgcc gaaacactct atggtggngt gctatgtatg ccatagtggc tntagttcag 60

tgatagaagc aatgggtcaat gactgccaac tgggtctgtt gcctttcaag ggtgaccacg 120  
 ttttcatggc caaagatttg gaggcagggg tagaggtgaa taggggtgat gaagatgggt 180  
 tctttcacia agaggatata ttggaggcat tgaaaactat cattgtgaag gatagcanag 240  
 aaccagggaa gcacacaaga gaaaaccaca tgatatgggtg caaggttttg tcaataaagg 300  
 aaattcagaa canattcatc acaggtcttg ctgcccagtt gaagt 345

<210> 11080  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<400> 11080  
 tatccaaaca tatcctttat ttaagttatg tcttcttatt ctctaggac cgtgaatgga 60  
 ggcaagctat aactgctgct ggatctggat gcgttgacgc tttatcagtt gagagatc 120  
 ttgtgagcaa tgatcttctt atagagttcc atcaggtatt tgacttctaa gaactcctat 180  
 ttgtttttcg cttatcgttc tttaggtatc tgacactgta aattgagcgt acacatcaca 240  
 ttaccaattt actgcctcct tatttatatgt cttaattctt gtacatttgc acagaatcag 300  
 atgcaacttt agcaagattt gcttg 325

<210> 11081  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11081  
 tgacctctat caacgataga aaactctccc aactcctcta ttgctctaag acacacgccc 60  
 tcaaaaagggtg cttcagcgac tacatgggtcc attcaatttg gccatcagtc cgaggatgggt 120  
 atgctaaaact tagtctaagc attggcccca acgctctgtt cangctcccc caaaatctag 180  
 aggtaaaact aggatctcta tcagacacta tgctagatgg cacaccatgt aatctgacag 240  
 tctcactaat atacagggan ggcaactctt ccaaagaaaa tgtgatatta atgggaat 298

<210> 11082  
 <211> 363  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11082

gcttctaaac tntgtacaag aatgaagctc tgatactcac ttgttagaca agtggcctca 60  
gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120  
ctatcttact ttntacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180  
tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaagggg 240  
agagaaaatg caaactcagt tntatactgg ttccggccaca cccttgtgcc tacgtccagt 300  
ccccaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360  
aca 363

<210> 11083

<211> 333

<212> DNA

<213> Glycine max

<400> 11083

tcattgagaga gtcattagatc aaattgagag gtataataat ttctatgcta aacaagccat 60  
caaagggaga aagaagggtt tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120  
agaaagggtt cccgaacaga ggaaatcaaa gcttcaacca gggggagatg gaccatttca 180  
agtgtcttaa agaatacatg acaatgctta caaagttgag ctgcccgtg agtataatgt 240  
tagttccacc ttcaatgtct ctgatttacc tctttttgat gcatatggag aatccgattt 300  
gaggacaaat ccttctcaag agggagagaa tga 333

<210> 11084

<211> 336

<212> DNA

<213> Glycine max

<400> 11084

tgaaggtaaa ctgacgcct tggttaacct ggtaaccaca ctggccatga ataagaaatc 60  
tatacctgtc gcaagactct gtggtttatg ctctctgtcc gaccaccata cagacctttg 120  
cccttttgtg cagcaatctg gagcaattga acagcctgaa gcatatgttg caaacatcta 180  
caatagacct cctcaacctc agcagcgaaa tcaaccacaa tagaacaatt atgacctctc 240

caacaacaaa tacaatecca gatggaggaa tcaccctaata ctcagatggt ctagccctaa 300

acaacaacaa cagcaacctg ctccttcctt acaaaa 336

<210> 11085  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11085

gagaacaatg acaattgaag aatcaattca tgtttccttn tatgagtcta atgctatttc 60

tctaataaag gatatttttag atgatattac agaattcttta gaacaaatgc acattcatgg 120

acaagattct aaaggaaaaag gagaaggaaa caataaagat ccttcagcag aagtcaaagc 180

aaataatgat cttccaagag agtggaaaagc ttcaagagat catcccttg acaacattct 240

tggtggcatc tcaaaagggg taacaactag acattctctt aaagatntat gcaataatat 300

ggcttttgtg tctatggctg aacctacaaa tataaatgaa gccataatag atgatcattg 360

gatagttgct atg 373

<210> 11086  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11086

tcacctgcgg catgcaagct tctccacagg acatatactn ntgtgtttac catccttgca 60

atgaggcatt tgaggagttg aggaagaagt ttaccacctc tcctatcttg tagccactag 120

attgggagct tccttttgtg ctcagtgcg atgcctctag ccatgcactt ggggatattt 180

tgtcattgag agttggtagc ctctcccaca tcatngctta tggttcatgc actntagatg 240

caacctaaagt taactacacc accactgaga aggagctntt agctattata tttgctttag 300

ataaattcat atcttatttt ctttgcctcc atatgatngt ctntactgaa catgcagctt 360

tgatatactt attgaagatg cctgatgcta aacctatatt gatcaagtga aagc 414

<210> 11087  
<211> 400

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11087

ngctctcata acacttactt aaagtagcta tgtnattata taagttcaaa taagctggac 60  
atataaactc ttccagtcca tattatcagc aaagactcac ttgngggtaa catgcaacat 120  
graagagggc atgcatataa agcatactac ctcagactag accatcatat aaacccatgc 180  
atgcatacct tgcaatttct gctcgtcttc tagcctcttc agccatctga ttaagttctg 240  
tgtaacttgc acgttcattg aacatcttag gctctgggtg gcgaaagccg tgaagcgtcc 300  
tctgtgcatt tgcccattta agttcacgtt ctctctatc aaaatctatn ttccttctag 360  
aagcaatctg acacagaatt catattacag agtaagcaac 400

<210> 11088  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 11088

tgaaggaaaa ctggatgcat tgggttaactt gttaacccat ctggccttga atcagaaatc 60  
tatacctgtt gcaagggttt tgggttctgc tcctctgctg accaccatac agacctttgc 120  
ccttccatgc agcaacctgg agcgattgag cagcctgaag cttatgctgc aaatatttac 180  
aatagacctc ctcaacctca gcagcaaaat caaccacagc agaaaaatta tgacctctcc 240  
agcaacagat acaaccctgg atggaggaat caccctaacc tcagatggtc cagccctcag 300  
caacaacaac agcagcctgc tccttccttc caa 333

<210> 11089  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11089

agcttatgct gcanacatct acaatagacc tcctctacct cagcagcaaa atcagccaca 60  
acagaataac tatgacctat ccagcaacag gtacaatccc ggatggagga atcatcccaa 120  
ccttgatggt tcgaatcctt aacaacagta gcaacaacaa caaccttatt ttcaaaatgt 180

tggtggccca accagaccat acgttctctc accaatccaa caacaacaac aaccgcaaca 240  
 gccccagaaa tagcaaacag ttgagacccc tccgcaaccc ttccttgaag aacttatgag 300  
 gaaaatgact attgcaaaaca tgcagtttca acaagagacc agagcctcca ttcagagctt 360  
 aactaatcag atgggacagt tggatg 386

<210> 11090  
 <211> 197  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11090

tgtcacacac aatggagggn aatntgaatc tcaattcann attcacttga atctganatt 60  
 gaatttgtgg agccaacact tggagccaan atttcactaa ttatgattag tggaaatttag 120  
 ttatggttca gcccaactaat ccaagatcaa ttccaagatt ctccactaag tgtgcttagg 180  
 tgtcatgagt aggggtg 197

<210> 11091  
 <211> 215  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11091

ctaccaacta cagaccctaa gaaaactata ttatctacac agaaagtaca etctcttata 60  
 tttgcataga ggggtgttctt cctaaggact ganagaactt gcctgagatg tcttaagtga 120  
 tcatctacgc tctactgta cactaaaata tcatcaaaat atacaactac taatctacct 180  
 atgaaatccc tcaagacatg atgcataagc ctcac 215

<210> 11092  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11092

cgatggcctc aataacatct attctccaca tggaanaagg ccaaggagcg gacataacgt 60

tcagaggatg tggcggaaca tgcacattgt ccgcgtatgc tngacantta tgacacttcc 120  
 ttacatgagc gcagcaatcg ctttccatgg tgagccaata ataaccggcc ctaanggatt 180  
 ntctggatcat agcatgccca ttggcatatg t 211

<210> 11093  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11093

atgatctttc aagcaacaga tacaatccat gttggagaaa tcatccaaat ctgagatggg 60  
 caagtccctcc acaacaacaa tagcctgtcc ctccctttcta gaatgctgct ggtccaagca 120  
 agccatatgt tcttccaata caaaagtagt cacaacanag acaacaagca actg 174

<210> 11094  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11094

atcgctatga atactatatt gttgacatga tactacgtaa gngaacttca tgtcagctaa 60  
 tgaatggcat tgtgtccaca gtgaccgctc accagttgta ctctccatgc tctctagttc 120  
 tgcagccttg taacctctca ttaattctgt gaagtganat gacaatatta agctcagcca 180  
 ataatagata agggaatgat ctctctntct ctctntcaat gagatttccg caatatacct 240  
 tcatcctttg ccataatcaag aaaagcctgt agctccaatg cttgtcggat atacatcatt 300  
 cctcggactt cac 313

<210> 11095  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<400> 11095

atacagtatt ccattataag tactcttatg caaaccatac agttaatatc ttgtatatat 60  
 attgatacaa cataagtga tgaatgacaa tttaaattaa taatacatat taaacaataa 120

acgccatata tatatatcca cgtaattgtg taaataattg attacattat atctgtaaaa 180  
 attttagaaa tcatttaacg tgaaggagta tatataaata tacaatatat gtgtatgata 240  
 tgtacaataa aatgcaaaga gattgtgtac ttacataata taaagatgat ttaaatecta 300  
 aaatTTTTaa atttatatat cagaataaag ttctatcact ctcttattta atgtattgaa 360  
 atcttaaatt tatgaatgat tattaataaag ttccttatt 399

<210> 11096  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11096

tcaatcaata gacctctaatt ctttaattgga gaggtgtacc actactggaa aacccgaatg 60  
 caaatTTTTa ttgaggcaat agacttacat ttgggaaggc atagaaatat ggccttatat 120  
 acccaccaca gtagaaagaa ccacaataga tggaagcaca acaagtggaa gcaccacaat 180  
 agagaaacct atagatagat ggtctgaaga ggatagaaga tgagtacgat ataattttaaa 240  
 agccaaaaac ataattacat ctgccctgng aatggatgaa tattttangg tttcaaatg 300  
 taagagtgtt aaggaaatgt gggacactct acaagtaaca catgaaggca caacagatgt 360  
 taaaagatct aggataaaga cattaactca tgaatatgaa c 401

<210> 11097  
 <211> 296  
 <212> DNA  
 <213> Glycine max

<400> 11097

agctttacta ataaaacatt tttcatgatt tgatgtttta tctaaaatta tcatgtatac 60  
 gttatttggt ctatagccta tatgttttat atttttatca tgtttatttt caataacaca 120  
 attatgagag tcaaatgata ctacaaagcc tttatcacat aattgactaa cacttagtag 180  
 actatgtcta agaccatcaa caagtagaac attttcaatg gaagtatag gattcgtacc 240  
 tatttttctg actccaagaa ttctaccttt ggtgttgacg ccataagtca catggt 296

<210> 11098  
 <211> 315



<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11098  
  
 tcttcnggat tataattgat gttatctcgc aacctttctt ctatgaaact cacaatccaa 60  
 tcaacagaag cctgatgggtg cccattgttt gcatttctcc cacatgtatg tgtaccatca 120  
 atactgctaa taaaaaatgc tggggcatta tggagcttga cagcacgaat ccgccatgga 180  
 cagccatctg aggcacactt agcaaagtag cgaatcaggt cactcttaat agtacgaagc 240  
 tcaaaatgct gtgcaaaggc agcttcttta attgcattcc gaaatgcctt cacatcatgg 300  
 aactcttgac cgaca 315  
  
 <210> 11099  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
  
 <400> 11099  
  
 agctttaaaa tgattatgga ttgattggca gatagtcaag tcaataatat catatcgaaa 60  
 ttgatagctg ctcatgaaaa agatgggtcat gtatacaata tcccaaatgt tcttgaagtt 120  
 gctgcactta ttgttgatga ttttgatcca agctcaaaaa gagatattat tgttgaaact 180  
 caaaatggag aactacaaag aatccatgaa ttgcactcta gctatctaag cctacagtac 240  
 cctctactct tcccttatgg tgaaaaatgga tataaagctg acatacttta ccg 293  
  
 <210> 11100  
 <211> 287  
 <212> DNA  
 <213> Glycine max  
  
 <400> 11100  
  
 agcttgtgaa tgtatatctt tcatttccaa cttgcaagta aggtcttgaa gttgctccgt 60  
 ggggaagtct tggttaaggga tgtattcggg ggctataaga ccaactgtcta atttttctt 120  
 aataaaatgt cgattaatct ctatgtgctt tggtcgatca tgttgaaactg gattgtgtgc 180  
 aatgctgatg gcaaacttat tatcacaac cagtcccata ggaacttcat attttatttt 240  
 gaggtcatca agtatgatat tcatccataa caacttaca acacctt 287

<210> 11101  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11101

aagaattaaa aagtacatcg tctacaaatt cgagattgac aaggaatatt ggggatttta 60  
 aaaaatagga gaaagaaaaat tacatcttag tcaaataaac taatgagggt atgctctata 120  
 ttcattnttc ataattatcg taattagatt ctttaacttt ctaatgagac ttcgagatat 180  
 ttccacaac ttcaattttt taggtcaatt atgagactaa atgatctata tattaatat 240  
 ataaataatc ttttacattt ttatctaata aaaaattaac aagtataata aatatatcaa 300  
 tctttataat aatcattttt atgacattct aaaataatac tttaaaaaac atgtaaacta 360  
 ttgattctta ttnggagatn tatgtaaaat taactatgta cagaanatan actctttaca 420

<210> 11102  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<400> 11102

agcttctaaa ctttgtacat gaatgaagct ctgataccac ttgttagaca agtggcctca 60  
 gatattctta gaaggggggt tgaattaaga tattccaaac tgtttcccct aattaaaaat 120  
 ctatttcaact ttttactcaa gttatgaatt cccttaatga caatcttctt aaatattaat 180  
 tcaaacgaag caacttgaat atgaatataa agcaataata aataaaggag attaagggaa 240  
 gagaaaatgc aaactcagtt ttatactggt tcggccacac ccttgtgcct acgtccagtc 300  
 cccaagcaa 309

<210> 11103  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11103

agctttgatg gtgtcgagat taaattacat gtttgnctc gtaaaaaagg ggtagaatgt 60

gaatgtatgt atacatgatt ttgttagtgc ttagctttac tgagctttaa aagattggct 120  
 aaaattttgt taaaacataa gcacttatac aatgaaggaa agctggagtt gctgcacatg 180  
 atgtccaacg ttatgtcaag gaatcagatc gggctgcaca atgcacaagg caagatataa 240  
 tgtcaaatag agaattgaag ctgcaggatc cacgatgtcg gatacaatgt ccaggacatc 300  
 ctgcc 305

<210> 11104  
 <211> 414  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11104

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 tggcatcatt tctggcgcta aactgctggg agttggaggc catctctctca attaaatttc 120  
 tgacttcagc aagagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180  
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240  
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggtctcttc 300  
 cactgagttg tctaatacct gagatatact tctgatggc tgtgggtctg gaagcaggga 360  
 aaaatttctc taagaatact ctcttaaggt catcccagct tgtgatggac cttg 414

<210> 11105  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <400> 11105

agcttgaac ataactgat tgttgattat cttggagtct tgggtggtag gccatgaaaa 60  
 cctatttaga gagacttctc tggagaaagg cattgttgaa atccaattga tgcatttgcc 120  
 aacatttgtt caaagccagt gtgagtataa attttatagt ttgcggtctt acaactagtg 180  
 taaaggtcta tttgaaatct acactaaa 208

<210> 11106  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<400> 11106

ccagtcctctg agaaactggt tcccagaaga caacgtgtag tattgattgc tcgaaaccct 60

agccttgacg caagtgctag ggaagtacac acggtgatgg acgagaaaat ccgcggtatt 120

gtgagtagca ttttgaaaga cgcttctgtg cctgatgctg ataaagatgt ttcaacatct 180

ttcaccccaa atgttgctgt gcctgatgtt gataaagatg tttcaacatc ttccgctcca 240

aatgctgaag cccttccttg acccagtga gaggaatcaa cagaagaaga tgatctagcc 300

tcagatgaga cccctgcacc actggcacca gaacctgctc cacgtgatct cattgactta 360

gaagaagtct aatctgat 378

<210> 11107

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11107

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ggttgatata tggacagaga tgaaaaagat catgaggaag cgatatgtgc cggctagtta 120

ctcaagggac ttgaaattca agctccaaaa actaacccaa ggcaacaagg gggttgagga 180

gtatttcaag gaaatggatg tggctcatgat tcaagcaaag attgaagaag atgaggaggt 240

aactatggct cgattttctta atggcttgac taatgatata cngatattg ttgagctaca 300

ggagtattatt gaaatggatg atttgcctca caaagcaatc caagtagagc aacaattaan 360

aaggaaagga gtggctaaga ggagttntac caactttgcg ttcttctagt ggaaagacaa 420

aggtaagaaa gatggggctg ctacttctag tagttctca ccta 464

<210> 11108

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11108

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tactctgtgg tttatgctca tctgtcgacc accacacaga cctttgcct tctgtgcaac 120

aatctgaagc aattgaacaa cctgaagctt atgctgcaaa catctacaat agacctctc 180  
gacctcagca gcaaaatcag ccacaacaga acaattatga cctctccagc aacagggtaca 240  
atcctaggtg gaggaatcat cccaacctta gatggtcgaa tccttcacaa caggagcaac 300  
aacaacaaca gccttatntt cagaatgttg ctggcccaag caaacatac gttcctccac 360  
caatccagca gcaacaacag caacagcccc agaaacaaca aacagtacag ggctctccac 420  
aaccttccct tgaagaactt gtgaggcana tgactatgca naacatgcag tntcaacaag 480

<210> 11109  
<211> 299  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11109

agcttgaagg taaactanat gccttggtta accaggtaac ccaactggcc atgaataaaa 60  
aatctgcacc tgtcgccagt ctctatggtt tatgctctc tgtcgaccac cacacagacc 120  
tttgcccttt tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gctgcaaaaa 180  
tctacaacag acctcctcaa cctcaacagc aaaatcagcc acaacagaat aattatgacc 240  
tctccagcaa cagggtacaat ctcgatgga ggaatcattc caaccttaga tggccaat 299

<210> 11110  
<211> 323  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11110

actcgtcaac gaaaaaggta acgtaggtgt ggtattattt ccacacataa acgcactctg 60  
gccttagata gagattctgt tgggaattcc tctgaaagta aggccttct cactggtagg 120  
aagaagcaca gtataaggca tctgaaccgg tccattacag attctaaggc ttgaatctnt 180  
gttcctcgaa ttgattttgg cctcaatttc cttcagcttg gttccaaact tttcaaaggc 240  
ttgaattgcc ttttggtcat cactccaatc gtcactgtcc ctctttccaa cgtagatata 300  
atcacaagca tgtcttgaca ata 323

<210> 11111  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11111

tactcagctc agcaactctt tcttntgtt tagtcaagac ctctaagtct cttaattctt 60  
 cctcatctaa atcaaccaac tcatctaaca tcattgtcca ataatggctg attggaatgt 120  
 ccattagttt ttgtacctg gctgattgca aatgtatttc gaccggaagt acagcatcat 180  
 gcccataact cagtcgaaat ggagtagtat tagttgattc cttatgagaa tttctacatg 240  
 cccatagaac ttgatctaac gttntattcc aatttcttgg ctattgggca atgtgttttt 300  
 taatcaagtt aattacaatc ttattggctg ctctgacctg accaattgct tgcgcgtaat 360  
 atggtgttga ggttcataat cgaaagccaa tattgtgggc aaatactttc atttttcgtg 420  
 cagctaatac tgaacctaga tcagt 445

<210> 11112  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11112

cgccaccacg gagttntcca actatgctct tgtgtgtgtg gaacaagcta caaaaggaga 60  
 gagcaagaaa tgaagagcca atggttgata catggacaga gatgaagaag atcatgagga 120  
 agcgatatgt gccggctagt tactcaaggg acttgaaatt caagctccaa aaactaacc 180  
 aaggcaacaa ggggggttgag gagtatttca aggaaatgga tgtggtcattg attcaagcaa 240  
 agattgaaga agatgacgag gtaactatgg ctcgattctt aatggttcac taatgatatc 300  
 cgcgatatgt ttgactacac gagtgtattg aaatggat 338

<210> 11113  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11113

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 acaagtcctt cacaacaaca acagcttata ctctctttct agaatgctgc tggccaagc 180  
 aagccatatg ttctctctcc aatacagcaa caacagtcac aaaatagaca acaagcaatt 240  
 gaggctcttc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat ccagaatatg 300  
 caatttcagc aagagacaag agcctccatt cagagtctaa caaatcagat ggggcagatg 360  
 gctactcaga tgaaccaagc tcaatccaaa ttctgacaaa tggccttcat aaactgtgaa 420  
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<210> 11114  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<400> 11114  
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 ggattcattc catcagaagc aagagcaacc cttaggttcc ttggctcgtc cctaaactct 120  
 ggatacaaac aatcaattgt ctccattat ggagaatcgg taggatgtcg tagtaagcca 180  
 tcactttttc tgtccactga atgccatgaa aggttttttg aatcatgtct attagcaagc 240  
 aatcgcttaa accttggtat gattggaaga taccagccaa cctttgcagg acgacaattt 300  
 tt 302

<210> 11115  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<400> 11115  
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 tttgtttaca acaggaccga ctactttcaa cccctcttga acaataaggt ttaaaatgtg 120  
 agcacaacat cggatatgaa aaaattcacc gccacttact aaaccattag tatgcaaaag 180  
 tttttccttc aaatagtctt gcattttatc attggaagaa gcatcatcta gagttaatga 240  
 aaatattttc tgctcaatcc ttcattcttc caaaaaacca tatataactt tagccatccc 300

atgccc

306

<210> 11116  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11116

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ttttcccttt tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gctgcanaca 180  
tctacaatag accttctcaa cctcagcagc caaatcagcc acaatagaac aactatgacc 240  
ccccagcaa tagggaaaat cccgggtgga agaatcatcc caaccttaaa tgggccaatc 300  
cttcac 306

<210> 11117  
<211> 297  
<212> DNA  
<213> Glycine max

<400> 11117

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aactaaactc acctccttga aaataaaaac tggataaaat aacacaacaa atataattaa 120  
acatcaaata taattactaa taatatttca ggggtgcaaca ccttctctta cctctatctc 180  
cactcatctt ctctacctt taagctctta tccatggctt cctatgggtgt tgaaaaatgtt 240  
cttggetaat cttcttcttg aagaggcgtc ttccaacacc ttttctactt cttcaat 297

<210> 11118  
<211> 303  
<212> DNA  
<213> Glycine max

<400> 11118

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atagaacaat tatgacctct ccagcaacag gtacaatccc gggttgagga atcatcccaa 120  
ccttagatgg tcgaatcctt cacaacagca gcaacaacaa caacagcctt attttcaaaa 180



tggtgctggc ccaagcagac catatgttcc tacaccaatc caacagcaac agccctagaa 240  
 acagcaaata gttgaggctc ctccacaacc ttcccttgaa gaacttggtt ggcaaatgac 300  
 tat 303

<210> 11119  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<400> 11119  
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 gcaaaactttt gaccctcacg gatctcgtc aagagttcgc tggcgactct caacataccc 180  
 aacttaatgc ctctagaggt gaactcacat gccatactca tgtctctaaa ctgctctaa 240  
 aggtccaact cttaaccat catagcagac atttgaaggg a 281

<210> 11120  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<400> 11120  
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 atttttagtga aaaacttcat agtgccaccc tcaactaccc catctatgat aaatagcttt 180  
 atgccttaat aagagccctc caaacttggg aacattacct tgtttccaag gaatttgta 240  
 ttcatagtga tcatcaatca cttaagtaca ttagagggca aagcaagtta aaca 294

<210> 11121  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 11121  
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 ctttctgggt ccattcacta cccagaagc acccctgagg tattacactc aaatgtattt 120

caggtttctt tccattttgg cctttttttt tttttatcaa atgggcacct taaagtatct 180  
 tccttttttc agatgtggcc agatcttatt cataaggcaa aggaaggagg tttggatgct 240  
 attcaaactt atgttttctg gaatggacat aaaccttcac ctggcaaaga aatgaataat 300  
 gtttgcttgc 310

<210> 11122  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<400> 11122  
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 gatataacga tacgctcgaa attgactgtt gaagctctga cctgatccta actatcatat 120  
 gcaatgactc ggatgtctga ttgaggcccg ttatatatcg agacgctcga aattgaatgt 180  
 ggaagctctg agccaattca aacgacaata actttttaca cggatgtctg attgagtccc 240  
 gtcatatatc gagacgctcg aaattgaatg ttgaatctct gagccaatto aaacgacaat 300  
 aactttttac tcggatgtct gattgaggcc cgtcgtatat cgagacgctc gaaattgaat 360  
 gttgaagctc tg 372

<210> 11123  
 <211> 345  
 <212> DNA  
 <213> Glycine max

<400> 11123  
 agcttcaaca ttcaatttcg agcgtctcta tatgtgacga gagtcaatca gacatccaag 60  
 taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagcgtcttg 120  
 atatattacg agactcaatc agacatccga gtaaaaagtt attgtccttt gaatttgctc 180  
 acagcttcaa cattcaattt tgagcgtctc gatatatgac gggactcaat cagacatccg 240  
 agtataaagt tattgtcgtt tgaattagct cagagcttca acattcaatt tcgagcgtct 300  
 cgatatgtga cgagactcaa tcagacatcc gagtaaaaag ttatt 345

<210> 11124  
 <211> 281

<212> DNA  
<213> Glycine max

<400> 11124

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tttgaatct aacaaaaccc ggcatttagt agacttgccct cctggctgca aaccaattat 120  
atgtgaaatc attgttgaga aacaactttg atatgaaaga ccttagagaa gcattgttaa 180  
tccttggtat taagattact aggtcaaaag aggaaattta tatgaatcaa tctcactaca 240  
ttgagaagat cttaaagaaa tagattactt tgaactgtaa a 281

<210> 11125  
<211> 337  
<212> DNA  
<213> Glycine max

<400> 11125

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tattcaaatg gtttatgaat ggccatcaaa ggtgacttgg aaacacgaat taaaagaaaa 120  
tttccattgc ccaaaaagtt ttatcctctc aaaagaaaaa tttttctgaa ctgaaatgtc 180  
ttatcctctc aaaaagattc cttggtcaac cacttgata ttcaataagg aattttgatt 240  
gatcttcatt gtacaatcta tctcttttaa gagagatttc ttcttttctt cttcttattt 300  
ctgaaaaggg attaagagac cgtgggtctc ttgttgt 337

<210> 11126  
<211> 337  
<212> DNA  
<213> Glycine max

<400> 11126

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gtccgattca ggtgcataat atactgagac gctcgaaata gaacatcgga agctctcgag 120  
aaattccaat ggtcataact tttcacacgg aagtcctatt caggcgcata atatatcgag 180  
aagctggaaa ttgaacaacg aaagctctcg agaaactcaa atggtcataa cttgtcacac 240  
ggacatccga ttcaggcgca taatatatcg agacgctcga aattgaacaa cgtatggtgt 300  
cgagaaattc aatgggtcat aacttgtcac acggaag 337

<210> 11127  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 11127

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gaagtcgat tcaggtgcat aatatatcga gaccctcgaa attgcacaac ggaagccctc 120
aagaaagtca aatggtgata acttttcaaa cggaagtcg attcaggtgc ataatatatc 180
gagaaacttg aaattgaaca atggaagctc tcgagaaatt caaatggtca taacttatga 240
cacagaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaaagc 300
tctcgagaaa ttcaagtggc cataactttt c 331
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<210> 11128  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<400> 11128

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ttactatgca aagaataacc aaggaaaatt ctttcactcg acttagcatc aaactttcct 60
aagctttctt ttccattggt taatacaaaa cacttgcaac caaaaacatg aagatgcgag 120
atgtttggtt tctaccatt gaatagttca tatggagttt tctttaaaat tggattattt 180
aaagccctat tcatgatata gcatgcagta ttagcggtt cagcccaaaa atattttgga 240
agaggagtat catttaataa ggatctagca atttcttcta aagacctatt ttctctttca 300
acaactccat tttgttgagg ggttctaagt gcagaaaagt tatgttcaat gtcatgctta 360
tcacaa 366
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<210> 11129  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<400> 11129

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atacaaacat atgagtcag cttagctatct taaacaatat gaaacttaat tttttgtgat 120
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agccttcaaa ctacaacaat gattattatc ttctttttta acaaatctat atttttttat 180  
tacaacgtag ctaatgtggt ttatgttgaa ttcaaatttc taatatcaat ttttaggatg 240  
ttttagattt taaagatact atccaatctt tttaagatgt ttattttaga aattaatgtg 300  
ttttttatgt taagtttatg atttgttata aaatagagggt ttataaaaa aaattatcaa 360  
gcatggaata gata 374

<210> 11130  
<211> 331  
<212> DNA  
<213> Glycine max

<400> 11130

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tggctctacc aatgaagacc cttatgctca cttggccatc tatatagaga tatgcaatat 120  
tatcaggttg gtgggtgtgc ctgcggatgc aatcaggttg agtctgttct cattttcttt 180  
atctggagaa gctaagagat ggcttcattc ttttaaagga aacaatctga agtcatggga 240  
tgaagtagta gaaaagttct taaagaagta cttccttgaa tcgaagacta cagaaggcaa 300  
agctgccata tcttttttcc accagttacc a 331

<210> 11131  
<211> 349  
<212> DNA  
<213> Glycine max

<400> 11131

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atacagaaga atttcttgaa ctcttaccac tcagtttttc atcactttat gaagaaaatc 120  
ataactgtac agcaaaaaaa attctattat cctctatca atcccttgcc ttctatattc 180  
ttttatttag agattctatt gatgcttgga ttctacttcc ttctgtttgc ctactgcct 240  
gagatgcctc atgcagatgc tgaatccac gacctaaact agcaatggag ggggctgcag 300  
ggagagactc aacagcacac tcaatcccat caccatacaa aagcagctt 349

<210> 11132  
<211> 319

<212> DNA  
<213> Glycine max

<400> 11132

agcttattta ttcaatttcg agcgtctcga tatattacga gtctcaatca aacatccgag 60  
aaaaaagtta ttgtcggttg aatttgctca gaggttcaac attcaatttc gagcgtctcg 120  
tlatattaca ggactcaatc agacatccga gtaaaaagtt agtgtcggtt gaattggctc 180  
agagcttcaa cattcaattt cgagcgtctc gatgtatgac aggactcaat cagacgtccg 240  
agtaaaaagt tattgtcggt tgaattatct cacaggttct acattcaatt tcgagcgtct 300  
cgatatattt caggactca 319

<210> 11133  
<211> 340  
<212> DNA  
<213> Glycine max

<400> 11133

tgaagccat tgaaccacc caaaaggag cgttgcgta gaagactcaa tcgggtttgg 60  
aagattcgag aaaacgtttc agcggttctt ggagaacgtc gtaggcttct ttgaggtgtt 120  
caaagacgtc gtaggggatg tcagtgttgg cttctgcgtt ttctggaagg ttttggaact 180  
taggcagtgg aaggttcacg aaattgatat caagtgtgtt tagtgacggt tttggaagac 240  
gctctatggt tcttgggtgg atacgaaact cacgtggtga cccttttgag caatgagttt 300  
ggccagctca aggtttggga tcatgtgacc aaaggctagc 340

<210> 11134  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 11134

agcttgaagg caaactggat gcattggta acttggtaac ccaactggcc ttgaatcaga 60  
aatctgtacc tgctgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120  
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180  
tttacaatag acctctcaa cctcagcagc aaaatcaacc acagcagAAC aattatgacc 240  
tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tggtcagacc 300

ctcaacaaca acaacaacag catgctcctt cct

333

<210> 11135  
<211> 331  
<212> DNA  
<213> Glycine max

<400> 11135

agcttatgtt gcaatcattt gtaatagact ccatcagcag caaaaccaac aacaacaaaa 60  
taattatgac ctttcaagaa atagatacaa tccagggttg aggaatcacc caaatctgag 120  
atggacaagt cctccacaac aacaacagcc tgtccctcct tttcagaatg ctgctgggtcc 180  
aagcaagcca tatgttcttc ctccaatgca gcaacagcag caacaatcac aacaagaca 240  
acaagcaact gaggtctctc ctcaaccttc cttagaagag ttagtgaggg aatgaccat 300  
ccagaatatg caatttcaac aagagacaag a 331

<210> 11136  
<211> 321  
<212> DNA  
<213> Glycine max

<400> 11136

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agactacctt acttcagttt gggtttgttg caagtaaatg tgatctctct ctgttcattt 120  
acaagaccaa gtctcacact gtatatctcc ttgtgtatgt tgatgatatt ataattactg 180  
gaagttctat tcctttaatt caacatctta cctctcagtt gaactcaaaa ttctctctca 240  
aacagcttgg ttgttaaga ttattttctt ggaatagagg tgaagactct ggccgacaaa 300  
tcaatactgc ttactcaaag c 321

<210> 11137  
<211> 366  
<212> DNA  
<213> Glycine max

<400> 11137

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cggtatatat cgagacgctc gaaatggaat accgaagctc tgagcaaat caaacgacaa 120

taacttttta ctccgatgtc agattgagtc ccgtaataata tcgagacgct cgaaatggaa 180  
taccgaagct ctgagcaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt 240  
cccgtaatat atcgagacgc tcgaaattga ataccgaagc cctgagcaaa ttcaaacgac 300  
aataactttt tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg 360  
aatacc 366

<210> 11138  
<211> 342  
<212> DNA  
<213> Glycine max

<400> 11138  
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gtaaaaagtt attgtagttt gaatttgctc agggcttcgg tattccattt cgagcgtctc 120  
gatattattac gggactcaat cggacatcag agtaaaaagt tattgttggt tgaatttgct 180  
cagagcttcg gtattccatt tcgagcatct cgatatatta cgggactcaa tcagacatcc 240  
gagtaaaaag ttattgtagt ttgaatttgc tcagggttc ggtattccat ttcgagcgtc 300  
tcgatgtatt acggggactca atcagacatc cgagtaaaaa gt 342

<210> 11139  
<211> 366  
<212> DNA  
<213> Glycine max

<400> 11139  
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aagttattgt cgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctccatat 120  
attacgggac tcaatcagac atccgagtaa aacgttattg gtgtttgaat ttgctcaaag 180  
cttcaacatt caatttcgag cgtctagata tattacagga ctcaatcaaa catccgagta 240  
aaatgttact gtcgtttaaa tttgcttagc tctccagctt taaatttcga gcggctcgat 300  
atatgacggg actatattat acatccgagt aaaaagttat tgtcatttga atttgcttag 360  
agattc 366



<210> 11140  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11140

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 gcattagact taagtatttg ggaagccata gaaatagggc cttatatacc caccacagta 180  
 gaaagaatta caatagatgg aagcacatca agtgaaagca taacaataga aaaacctaga 240  
 gatagatgat ctgaagagga tagaagacga gtacaataca attttaaagc caaaaacatc 300  
 ataacatctg cctcngaat ggatggggtt caaattgtaa gagtgctaag gaaatgtggg 360  
 acactctaca at 372

<210> 11141  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 11141

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 ggccttccca aaataattgg aatttcctaa tctccttta tgtccatgat cacaaaatca 120  
 gcttgaaaaa tgaatttacc aactatgata agcaaatctt cactattcc ttccagataa 180  
 gtaatatgtt tatctacaag cacaagagaa atgttaatgg gttgggggtc ttgtaactcg 240  
 aactctttat aaacaaaata aagcatcaaa tcaatgcttg caccaagatc acataaggct 300  
 ctatcgattt tcaagctacc aatagtacaa gggattg 337

<210> 11142  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<400> 11142

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 gcttctttga gaagctagat ccttatctat ccacaccctt cttttaactt aattaacctc 120

cgtataaata attacggatg aaaataacgc aacaaataat caaacatcaa acataattac 180  
 taataatata tagatatata tatctgggtg ttacaactct cccacccttt tagaaatttc 240  
 gtectcgaa tttaccttac tcaatcaagg atgggtgagc ttctcgcatc tgactttcta 300  
 attgccacgt ggcactctct cctgatgcac ctcccagat caccttgacc agcggaatct 360  
 ctttccctct t 371

<210> 11143  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<400> 11143  
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 ctaatttttg gctttcctat ttggatgtga catcatggca gttaagtcct aactttccat 120  
 cgtggattca gtcacaaaac aaacttcaat atgttggaact gtctaacacg gggattttag 180  
 attctattcc cacctgggtc tgggaaacac cttctcagat ttgtattta aacctctctt 240  
 ataatcatat ccatgggtgag attgagacta cattaagaa tccaatatct atccaaacta 300  
 ttgatctaag ctcaaatac t 321

<210> 11144  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 11144  
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 cttgcgaggt caagatagac caaattggag agattcccaa tctgagatgg aatcttcccc 120  
 atgaatccat taccagagag gtcgaggtga gtcaaggaag tcattgtccc aaggaaagaa 180  
 ggaattgaca taccttctcc aagaaatcta ttgccgtca agtccaagta attcaaatgc 240  
 tttaaatcag ccaaacaagg acttatctct ccaccaaaact ggaatcccct ataagcttcc 300  
 ctatcaaagt agccatcata gtaa 324

<210> 11145  
 <211> 361  
 <212> DNA

<213> Glycine max  
 <400> 11145

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 tgcttctcat gtgtctcag atcagagagc accgagaact gcttctgggt gcacctcttg 120  
 cacacgtaca ttttggggca gtggcttctc ttgtaatggt tcttggcaca aatcattgac 180  
 ttcagtggct ggaacttggc atgcctctgg tccacctac accctcttg aggacacgaa 240  
 tacctctttg gcttcacact catcaaacac tctagatctc tttgggtctt aattgggtta 300  
 ctcaaagcag cattgggtct gtactcatcc ccgtgagccc tcatgtgcat cctcaaatc 360  
 g 361

<210> 11146  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
 <400> 11146

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 ctatacgaga catcttgcca aacaaagtca ggttcacgat aactgcctg tgctttttct 120  
 tccatgctat atgtagcaaa gtgattgac cagtaatggt tcatgagttg gaaaatgagg 180  
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240  
 ttcacttgat tgtgcactcg gtcagagaaa tcaaatgctg tggtcctggt tatctacggg 300  
 ggatgtaccc ggttgagcga tacatgaag 329

<210> 11147  
 <211> 334  
 <212> DNA  
 <213> Glycine max  
 <400> 11147

agctttttat ggaatttatg atatgaatcc agataaggta aagtaactgt tttttatgga 60  
 cgattttcca ttaggccatg gaaaatctag catgatattc cattcttgat tttaaattac 120  
 ttaccaaagt aaacttgtgt actgatgtag gtccttcaat caatgattca aatgggtggt 180  
 cttgtcccaa ctggagatat gactgctggt aaacgaacag cacagttctt cctcaacagg 240

tagtttatca aatccattta gtgggaatac ataaaaaat caaaacacct acatagattt 300  
 agcagtagta tttctatata tcaatatcat taga 334

<210> 11148  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<400> 11148  
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 tgagttgtct tgccagtttt gccccagtt tcttgacatg ggctgccacc cagttttgga 120  
 ccccttaagt gacactgaat tcacatcacc agctccagcc acattggtga tcaaaactag 180  
 gttgaagtaa gagtggccat tgattgtgaa ccttattcct ccccttttca cacaaggaac 240  
 cctgccatca tcacaaaaag tttagtttag tactagttaa acatatgagc aattgaaaat 300  
 taaatatccg agataaatta agtaatctca gtcgttaatg a 341

<210> 11149  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<400> 11149  
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 aagttattgt cgctcgaatt tgctcagagc atcaacattc aatttcgagc gtctcgatat 120  
 atgacgggac tcaatcagac atccgagtaa aaagatattg tcgtctgaat tggtcagag 180  
 cttcaacatt caatttcgag cgtctcgata tgttacggga ctgaatcaga catccgagta 240  
 aaaagttatt gacgtttgaa tttgctcaga gcatcaacat tcaatttcga gcgtctcgat 300  
 atgtgacggg actcaatcag acatccgagt aaaaag 336

<210> 11150  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 11150  
 agctttgagc caattaagac gacaatatat ttttactcgg atgactgatt gagtcccgtc 60

atatatcgag acgctcgaaa ttgaatgttg atgctctgag caaattcaaa cgacgataac 120  
 tttttactcg gatggctgat tcaatcccg tacaatcgga gaagctctaa attgaatggt 180  
 gaagctctct gccacttcaa acgacaacaa ctttttactc ggatgtctga ttgagccccg 240  
 cgacatatcg agacgctcga aattgaatgt tgaagctctg agccaattca agcgacaata 300  
 actttttact cggatgcctg attgagtcct gtcatatat 339

<210> 11151  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<400> 11151  
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 gtggtgcctc taatcatctt tcttcttctc tcattccact gccattaaac ttttagaagc 120  
 aatgacttc atggatgaag aagatgcaag gccacaagc ttcacatgga gctacatcat 180  
 gtggtatcaa gagcatcttc gtctagggtga tgttcttttg cttcctctat tttttgttt 240  
 ggtcaattca ctttaattcc tttttcttca ttttattctc catgtatatc ctccattgtc 300  
 ttgtggtttg gtgctgttta gagtagat 328

<210> 11152  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<400> 11152  
 agcttttaaaa ggtgttttat ctctacaaaa atatatgttt ttgcactagt aatcgattac 60  
 catatattgt aatcaattac cagagacaga ttacataatt ttttttttaa aaaagttttc 120  
 ttttgaaatt tgaattttta atgttctaatt cgattaccac ttgtatgtaa ttgattacca 180  
 gtgatgaaac ttcagaagtt aactttgaaa agtcatgacc cttcaaaaca taattgtgta 240  
 atcgattacc aagaatttgt aatcgattac tagtgagaga atttttgaaa aatattctga 300  
 aaagtcacat ctcttc 316

<210> 11153  
 <211> 326  
 <212> DNA

<213> Glycine max

<400> 11153

tttatgggat aatctcttca ttctgggttg atgaaaacc catggatcaa tgcataatcc 60  
acaaagttag tgtgagcaaa atatgctatc ttgcttcata tgtagaagaa tatcttactt 120  
gcagccaatg atcgggggtt gctacatgaa gtgaaacaat ttctctctta taattttgac 180  
atgaaggata ttggcgatgc atcttatgtc atcggcatta agattcatag agatagaact 240  
ccaggtatct tgggtctatc acaggaaacc cttataacca aacttcagag agatttcgat 300  
gaaagattgt caccatgtgt tgctcc 326

<210> 11154

<211> 346

<212> DNA

<213> Glycine max

<400> 11154

tatgctgcaa acatctacaa tagacctct ttacctcagc agcaaaatca gccacaacag 60  
aacaattatg acctctctag caacaggtag aatctcggtt ggaggaaatca tcccaacttt 120  
agatggtcga atccttcaca atagcagtaa caacaacaac aacaacagca gcaacagcaa 180  
cagccccaga aacagcaaac agttgaggct cctccgcaac cttcccttga agaacttggt 240  
aggcaaatga ctatgcaaaa catgtagttt cagcaagaga ccagagcctt cattcagagc 300  
ttaactaatc agatgggaca attgtctaca cagttaaata aacaac 346

<210> 11155

<211> 371

<212> DNA

<213> Glycine max

<400> 11155

agcttctcgt cagtgggtacc ttatgtttca tgggataatt tcttcatttg gttttgatga 60  
aaaccccatg gatcaatgca tataaccacaa ggtagtgagg agtaaaatat gctttcttct 120  
tttatatgta gatgatattt tacttgagc caatgatcgg ggtttgctac atgaggtgaa 180  
acaatttctc tctaagaatt ttgacatgaa ggatatgggt gatgcattct atgtcatcgg 240  
cattaagatt catagagata gatctcagag tattttgggt ctatcacagg aaacctatat 300

taacaaaatt ctagagagat ttcggatgaa agattgttca ccaagtgttg ctcccattgt 360  
 gaaaggtgat a 371

<210> 11156  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<400> 11156  
 tcttgtttga tcttacattt tagagccaag gtttcaaac atactcccta acaaaacgct 60  
 caagtaggtg agtaaattaa tgataggga gtgtatcgag ttttgcgcca ataagaccta 120  
 tgttgtttgc accagcaagc catgccttgc atgaagaaag aagttgagta ttgcgaagga 180  
 aaataaaggt ctttttaacc aggggctgga gtactcaatt ctttaacaag gtctttgttt 240  
 ctctgagac agaaagccga aaaccatttt c 271

<210> 11157  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<400> 11157  
 agcttgaaag aaaactggat gcattgttta tcttggtaac ccagctggcc ttgaaccaga 60  
 aatctgtacc tgttgcaagg gtttgtggtt tgtgtctctc tgctgaccac catacagacc 120  
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc cgaagcttat gttgctaata 180  
 ttacaatag accttctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240  
 tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tggctagacc 300  
 ctcagcaaca acaacagcag cctgtctctt ccttccaaa tgatgctggc ccaagcagac 360  
 catacattcc tcca 374

<210> 11158  
 <211> 345  
 <212> DNA  
 <213> Glycine max

<400> 11158  
 tactcaagct ttcaatgaaa tgctggtaaa gggcgtaaga tgaacgtga agacatattc 60

tgcaattatt tctggtttat ccaaggaggg gagagcagat gaagctctta agttgtatga 120  
 tgagatgatg agaatgggtc taatacctga tgacagagtt ttcgaggcac ttgttggtag 180  
 ccttcataaa cccagttctc atgctgcctt gaaacaaaat gagtatgggg aactgaaaat 240  
 aaacacttct gatacctcga gcttgccaaa cactggtttg tcaatttcac acaggaaggt 300  
 ggtacataca tgataatctt gtccttgaag cccaagtaaa aaacc 345

<210> 11159  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<400> 11159  
 agcttccctt tctttggcca atgctggact tgcttggcag tgatttcctt ggcaatttga 60  
 tgctcagaaa cagcaatata caccactcct tcagttggtc tgcccaggta tttgttgatt 120  
 acagcagggg agaatttaat acattttcct ctgacaaaca ctttctgata ctcactcactc 180  
 tttctgtttg ttatgtcaga ggggaatgttg acaatgaatt ctctgactag actttcatag 240  
 caatctccca acttggtgac agttttcagc agtcagcag ccttgatgag gtccatgac 300  
 tccttgcaat ccaaggcacc tcttcccagt tctctttcta aggcaagtct gcgttgatat 360  
 acaaatttcc acctttc 377

<210> 11160  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<400> 11160  
 agcttgtatg gataaagtct cactgattgtc atgtgctcat gcaacaattg ttagtcgtgg 60  
 ctatacgaag catcttgcca aacaaagtca ggttcacgat aactgccttg tgctttttct 120  
 tccatgctat atgtagcaaa gtgattgac cagtaatgtt tgatgagttg gaaaatgagg 180  
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240  
 atcacttgat tgtgcatctg gtcagagaaa tcaaatgctg tggctctgtt tatctacgg 300  
 ggatgtaccc cgttgagcga tacatgaaga tcttataagg gtatcaaaga atctat 356

<210> 11161



<211> 329  
 <212> DNA  
 <213> Glycine max

<400> 11161

cttaaaagga gccataccaa tactggcttg ttttctattg ttgtaagtga actcaatcaa 60  
 tggcaaacaa tccatccagc taccttggtg ctctataata cagcccgaa gtatatcctc 120  
 taaagtctga atagttcgtt cagtctgacc atttgtttga ggattattag ctgaactaag 180  
 cttcagcttt gtccccaagg ctctcatgtg acttggtcaa aatcgcgaa agaaccttgg 240  
 atccctgtca gatacaatac tagaagaat tccatgcaac ctactactt acttgatata 300  
 caactacact agcttttcca ttctatacc 329

<210> 11162  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<400> 11162

tacgctagct tcaaactcga aggtggagga ccatgaacca aaaacaattc atggggctcc 60  
 gaaaaagggg ttgagaatgg ataattactc taagcaatca ctacgcatag ctccaaactc 120  
 taagggtggg gacacattaa cgataacgct attcatgggg ctccgaaaag agcgagaatg 180  
 gagaattgca ctacacaatc actacacata gctccaaacg cgaacgcgga ggactcatta 240  
 atgaaaacgc ttttcatggg gctctcaaca gattgataag tggataattg aactaat 297

<210> 11163  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<400> 11163

agctttgata ttggttaagtt aatgcctcaa aacttctatt atatttctctg tttctgaagt 60  
 acgttttttc tcaactaacat ctctttttat aacattaatc tctttaatcc tctcatttgt 120  
 actaattact ttatcttaca tttttcttcc ttttcttctc atctcctttt ctattaaaaa 180  
 agttgccga ttttgattta taaatgcaat ttctcttttc attttaccaa actttatata 240  
 aagatatttt atttgattca ccaggacata ttgctgctg gaactgatac ttcagcatca 300

acactggagt gggctatggc agaaatgatg agaaatccaa gagtgaggga gaaagcacia 360  
gctgaattga 370

<210> 11164  
<211> 328  
<212> DNA  
<213> Glycine max

<400> 11164  
agcttgtaga tttctgtctt gtatctgttt aatcgattac aacctctctg taatcgatta 60  
taaagttggt tttgatgtag ctccacgtgg agcttgtagg ccttggtatc tcttcatcaa 120  
tggagtcatt tgcttcttga agatcaatag tagcggaatg gagaaggaag aaagatgatt 180  
ggagacgcga cttcaaggag aagatgagtc aagaacaagc tcatcaccat aggaaactga 240  
tggaagcttg cttgtaaggg ttctatggag gctggatctt tgaacttcaa tgaggtcctt 300  
taatggtgat tttccaccat ggagatgc 328

<210> 11165  
<211> 346  
<212> DNA  
<213> Glycine max

<400> 11165  
tttaatcata tgtaacaaca ttcattcaat atatgatttt tctagatggt ggtccatgac 60  
catcataatt gattatggga ataaaaatgt caaaattatc tacaatttga aatttaattt 120  
tattgcttat taatagaaaa gacttttgtt aatgtcatgt gagaaccgaa ttaacatgct 180  
taaactatgt caatagttgt tagaggtaaa acttaattag gaaaaaaaca gataatttta 240  
atgaacattt tatgtgtcta tgattcaaga caatgaaaaa ataataatca tgaaaaattt 300  
acatatttaa tgatagaaaa tgaaatgatt aaacaattta taatat 346

<210> 11166  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 11166  
ctttatacaa tgggagactg ttcatttcaa gtgctcgaaa gaatcaatga caatgcttac 60

aaagttgagc tgcccgggtga gtataatggt agttccacct tcaatgtctc tgaattatct 120  
 ctttttgatg cagaaggaga atcccatttg aggacaaatc cttctcaaga aggagagaat 180  
 gatgaggaca tgaccaagag caagggcaag gatccacttg aaggacttgg aggacctatg 240  
 acaagggcta gagcaaggaa agccaaagaa gctcttcaac aagtgtctgg catactatat 300  
 gaatacaagc ccaagtttta aggagaaaaag tccaagggtg tgagttgac atggcccaaa 360  
 tgg 363

<210> 11167  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 11167  
 agcttatagt tattggaggg agaatttaac aatccaaaat caattgtacc tttcaagtaa 60  
 cgaaaaatc tttttgcggc ttttagatga ggagaggtag gagcctccat aaagcgacac 120  
 acaactccca ccgcatatag aatatcgggc cttgtattgg ttagatacct taaactcccc 180  
 acaagactct tgaagatcgt ggagtctacc ttctctcctt catcaactt tgataacttc 240  
 aagccacctt ccataggggt gttcacggga ttgcaatcaa gcatattaaa tttcttcaac 300  
 acttcttttg tgtaccttct ttgtgagaca aagataccat tctccgtttg cttcacttcc 360  
 attcccaagt aatatg 376

<210> 11168  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<400> 11168  
 agcttgtgcc ttttcacgtc tggattatta atgtagcata tagatccaaa gacccttatg 60  
 tgctttgttg atggcttctt ctcggtccaa gcttcacttg gagtcttgtc ttttacagac 120  
 ttagttggac atctgttgag tatgtaaaca acagtgtaga ctgcttttagc ccaaaatgtg 180  
 ttaggtatc cttctcctt gagcatccat ctagecattt ccataactat gcgattcttt 240  
 ctctcggaca ctccattttg ttgaggagaa tatgcgactg taagttgtcg ctcaatgcct 300  
 tcacctcac aaaatcttct acactcgca gaggtgtact ctttgtcatg acacttctta 360

gtacttttat ccg

373

<210> 11169  
<211> 341  
<212> DNA  
<213> Glycine max

<400> 11169

tctgttttca attacgagct tctcgatata ttacgggact caatcggta tccgagtaaa 60  
aagtatttgt cgcttgatta ttctcagagc ttcagttttt aatttcgagc gtctcgatat 120  
actacgagac acaatcggac acccgagtaa aaagttattg tcatattgaat ttgctcaggc 180  
ttctgttttc aattaccagc gtttcgatat attacgagc tcaatcggac atcccagtaa 240  
aaagttattg gcgtttgaat ttgctcaggc cttctgtttt caatttcag cgtcttgata 300  
tactacggga cacaattgga caccgaggt aaaagttatt g 341

<210> 11170  
<211> 344  
<212> DNA  
<213> Glycine max

<400> 11170

ttgagcaaat tctaacgaca ataacttttt tcttgatgt tcgataaagt cacgtaatat 60  
atcgagtcgc tcgaaataga atccagaagg tgtgagaaaa ttctaacgta aataactttt 120  
tactcggatg tccgattgag tcacgtaata tatcgagacg cccgaaattc aatacaaaaa 180  
ctctgagcaa attctaacga caataatttt ttacttgat gtccaattga gtcgcgtaat 240  
atttcgagac gtcgaaatt gaatacataa gctgtgagca aattctaacg acaataactt 300  
tttacttgga tgttcgataa agtcacgtaa tatatccagt cgt 344

<210> 11171  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 11171

agcttaacaa aaggcatgag aagtgtgtgg tattcttaga gcaattccct tatgttatca 60  
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaacaaaa ttgaatggc ttgaatgttt gaaaagcatg tatgaaaaatg 180  
 atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat gggttcttta 240  
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactaaaa 300  
 atttgcttgt ttgtgaagca catgaagagg tttaatgggg ctatttgggg tccaaaagac 360  
 tctagaaaca ttaca 375

<210> 11172  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11172

tgettcatac cgnatattga tttctttaat ttgcacacca tgtgttcctt tcttcaact 60  
 gagaatccca ttgggtgate catataaaca ttctcctcta aatttcatt aagaaaggca 120  
 gttttccat tcatctgatg taactctaag tcataaaggg ctactgatgt catgataatc 180  
 ctaaagaat ccttttgtga gatcgggtgaa aatgtctctt tataatcaat gacatctttc 240  
 tgagtaaate ccttaacaaa gccttgtaac gttcaaagtt gtcatgagag tcacgtttaa 300  
 tcatgaagac ccaettacaa ccaactctct taataccctt tggc 344

<210> 11173  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<400> 11173

tgcatacaag attctccttg cctggcaett tataaccttc tggttgggtc atatagatgt 60  
 cttctctaa atccccatgc aagaatgcag ttgtaacatc taactgtccc aagtgaagat 120  
 tctctgcagc tactatgtctc agaataactc tgatggtagt catctttaca actggagaga 180  
 agatctctgt gaaatcaate ccttgtttct gctgaaaccc ttccaccaca agtctcgctt 240  
 tgtatcttct tctaccgaca gattcttctt ttagcctata gaccaccta ttctgtaatg 300  
 cctgctttcc ttctggcaat ttagttaaag accacgtctt attcttt 347

<210> 11174  
 <211> 375

<212> DNA  
<213> Glycine max

<400> 11174

gcttctctcaa tcaccttatt gagaatttat atgccatgaa ggatatgtct gtctttgatg 60  
aaagtgtgct gtctctcatc aataaggata gatataacat gcctcaattt gtttgctaatt 120  
aacttggtcta tcaccttgta catacaacca atcaaggaga ttgggtctgta atcatcaaag 180  
gactgagggt gttttacttt gggaattaga gccagaaaag aagcattact acctctaggg 240  
aagctgccat gcacatggaa ctcatccaca aatctttctga agtcagggtt caccactccc 300  
caaaattctt taataaaatt gaaattaaaa ccatcaggcc caggacattt gtccccacca 360  
cagctttctt gatct 375

<210> 11175  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 11175

tagcttcttc tgtcaactaa cgaagactgt ctctccgtta gtccgtaact catccacaac 60  
tattacctga gccgatccta tgagatattg agggatgctg ggtggtttcc ggtcaaaggt 120  
tatttcgaat ggagagatac tagttgcgaa gtgaattgag gtgtttagg acattccgcc 180  
cacatcaaga attttcccca agtgggttggg ttcgagtcaa caaaagcgca caagtactgc 240  
tccactactt aattgatgac ctgagtttgg ccatttggtt gaagatggta agccgaactc 300  
atgcgcagtc acatgccact caaacgaaag agc 333

<210> 11176  
<211> 351  
<212> DNA  
<213> Glycine max

<400> 11176

ctgcaatctt acatcatgag ccatgttttt tatcttgatt tggaaatctgc tttggcaagt 60  
ttatatctta tagttgaatg gtcagtgtgc acaatgatct ttgatcctac tataaatgat 120  
cataactttt tgaaggccta aaccactggg aacatatact tcttcactac tacacagttg 180  
atgtgggctt catttagcat ttgttggca tagtaaatac catgaaatat tccactcctt 240

ttttgttcta atactacttt taccacataa ttattcgcat cacacattaa gtcgagttct 300  
 tgcccccgat tgggagccac tatagctgga gtggttacta gccttttttt c 351

<210> 11177  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 11177  
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 aycaactcag gattcaaaag atgtgacatg aaccattgtt gatatgttaa gaaatatact 120  
 aatagttatg ttatccttgt cgtgtatgtt gatgacatgt tgattgcagg atctagtatg 180  
 gtagaaatta acaggttgaa gcaacagttg gcagaaaact tttaaatgaa ggaatcttgg 240  
 ccaactaaac aaatccttgg tatgagaatt cttagaaaca tatcagaagg aatttttgaag 300  
 ctgtctcagg agaaatatat acacaagttg cttgaca 337

<210> 11178  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<400> 11178  
 gcttatatat atcgacacgc tcgaaattaa acatcgggaa ctctcgagat attcaattcg 60  
 tcatcatttt tcacacggat gtccgattcg ggcgcataat atgtcgagag gctcgaaatt 120  
 gaacaacgga agctcttgag aaattcaact ggtataacct ttcacacgga tgttccaatt 180  
 atgccaatta catattggga cgcttcgaac tgaacaacgg aagcttctga caaattcaaa 240  
 tggtcataac ttttcaactcg aatgttcaaa tcaggcggat cacctataga gacgcttgga 300  
 aatgaacaac ggaagc 316

<210> 11179  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<400> 11179  
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ttgttcattt tcgagcgttt ctatatgtga tgcaccttaa tetaacatcc gtgtgaaaag 120  
 ttatgaccat ttgaatttct caagagcttt cgttgttcaa ttctgagtgt cttgatatgt 180  
 gattttccag aatcatacat tcgtgtgaaa agttatgacc atttgaattt ctcaagagct 240  
 tccgttggtc aatttcgagc ttctcgacat attatgcgcc cgaatcgcac atccgatga 300  
 aaagttataa ctatttgaat ttccgcgagag ttttcgacgt taatttcgag cgtatcgata 360  
 tataataagc ccgaatc 377

<210> 11180  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<400> 11180  
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 attttggaac acttgccgct atctttgctc ttagatcctt gcgcaagatt ttgcctgacg 120  
 gtgacttggg aattgcatca atgaagaata ctcggtttat tcttttgtaa aacaccacct 180  
 gcacaattcc acaactcatt acattcctta ttttgtggct aagaaaggta cagtacacat 240  
 cataaacctg taaaaaacgc atattatata tgatagtgac ccagacattt ataattaggt 300  
 gggaagaagc ggtgtgggtc agttataaga taaaatgaga aattatattt atacgggggtg 360  
 aatgagat 368

<210> 11181  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<400> 11181  
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 aatgttttaa gaatcaaacc agtcattaaa ttgatcgaga tgttggatta atgaattacc 120  
 gatataatta tatcagtggg tcagatttca aatctgtttg acttgatata tattagcaaa 180  
 ttttttaaaa tataatataa ttatcataat ttaatcaagt tgatactcta aatttagaaa 240  
 ctaatatcaa catatgagat ttactacta agaaaaatga cctatgccta tagacacttt 300  
 tgcttacatg tttaatctag tgtaggtaaa acctaaagaaa tacttttacc taaaaatatt 360



tatcgtacg

369

<210> 11182  
<211> 372  
<212> DNA  
<213> Glycine max

<400> 11182

agcttatgct gcgaaatatt actatatacc tectcaacct cagcagcaaa atcaaccaca 60  
gcagaacaat catgacctct ccagcaacag atacaacctt ggatggagga atcacccetaa 120  
tctcagatgg tctagccctc agcaacaaca acagcaacct gctccttctt tacaaaaatgc 180  
tgctgggccc agcagaccat acattcctcc accaatccaa cagcagcaac aaccccagaa 240  
acagccaata gttaaggccc ctccacaacc ttccctcgaa taacttgtga ggcaaatgac 300  
tatgcagaac atgcagtttc aacaagagac cagagctgcc attcagagct tgactaatta 360  
gatgggacca tt 372

<210> 11183  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 11183

gcatgcaagc ttgtgaataa aattctgttt ctgaagagga ctataatgac ctgcgaagag 60  
ctggtttacg cagttgtttg ctcgagggcc tgccggattg gcttgttgcg tatgcggatc 120  
gccttgtatg agccttcato tgacaacaat ggtttcatgt tcatgtgggt ctttgcggat 180  
caattttccc taacatatat gctatggcga aggtgagaat catcaattat tgaaagaaca 240  
aaacttcctg aagaaattct aaagcataat ccataagaaa aaagagaata tttctcaaat 300  
ataattctcg aagttgaaag gagcgatgcc tgaggtcacg gtccctcttt ggccgtgggg 360  
atacattcct ttatacact 379

<210> 11184  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 11184  
 ntacaaaaaa tgtcactcta ctctaagttt ttttaaggata tgttcacaag gaaacacaag 60  
 tatattcacc aggaaaacat tggctctggaa ggaaattgct ttgttgtgat tcaaaagatc 120  
 cttccacca agcataaaga ccttgggagt gtaaccattc cttgttcaat tggataaatc 180  
 actatgggaa aggctcttat tgatttggga gccattatta acttaatgtt agtctccatg 240  
 tgcataaggt tgggagagtt ggagatcatg cccacttgaa tgattttaca acttgcctgac 300  
 cgctccatta ccagaccata ttg 303

<210> 11185  
 <211> 209  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11185

tgaatcggac ctccgagtga tatagtatga tccattgaat tgcctcaagag cttccattgg 60  
 gtcaattcga gcgtctcgat atattatgcg ccataatccg acctgcgagt gagaattatg 120  
 accacttgaa ttctcgagag ctccggttgt caatntcgag cgtctcgata tattatgtgc 180  
 ctgaatcggga cctccgagtt agaaggatg 209

<210> 11186  
 <211> 367  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11186

gtagaaattg ctattctaag ctcaacttttg cgattcacat cccacgtggc tttaaacaat 60  
 atttocaata ccttttaacg aaacatgttc tgnnttataa atttatgaaa aatgggtaat 120  
 aatatatata tagctaattt ttacantaat agataagtat atttttagta tcttaattaa 180  
 tatcatatat aataatcgat actctataaa tggaagctat atctaataat ttatgctatt 240  
 aaaaatnaat cttatagact gactactata aaaagggat tgatctaaat aattaattta 300  
 cgtttaaaat atgattatat catataattg atatctcata aaaattctat ataattaaaa 360  
 tgtaaat 367

<210> 11187  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11187

atataagtga tcatgattaa taagatatga acgacagaaa gaagaagatt tccttaaatt 60  
 gttaactgcc attctaacaa attncataat aaaaaattaa catcatttga taatacaaac 120  
 atgcaatcaa tgggtgaaata tttcaataat agacttaagt taagtctagt tacatatata 180  
 cattaatctt gaagaaattt gtatcataac atctatccaa tgacaacaat attcataaaa 240  
 actataacat ttataattaa acctcatctt ttatagaaaa taccttatta tttatatagc 300  
 tgtctataac aataagata aattattatt tcctgtgtta ataattgcaa acttactatt 360  
 atactatagt ctacacacac tatacc 386

<210> 11188  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<400> 11188

agcttgagct cggcttgagt tgaatacgta aagcttgagt tgacataggc tttttttaag 60  
 gctctgctcg acctacataa aagtctgact tacgagccta tttaaaagct tgcttaaaga 120  
 cytcttttat taattaatta ttttaaaacc tagtgaaata ctaactaaaa aaagaaactt 180  
 ataaaatttc gtataaataa tgtacaaatc taaaaataat tgataaacia aattatattg 240  
 aattcaagtc gttaaagcac aaagtatata aaaaaataa aaatagcata atat 294

<210> 11189  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<400> 11189

agcttgctgc cgttcgagac ctctttcggg tttaggcctt tgggtatggg gagaaggagc 60  
 aacgggtgctg ttgttttcgc ttctgaaacc tgcgcgcttg acctaatga agcgacttat 120  
 gaaaggaggg tttaccctgg tgagggtctt gtggtggata aaaacgggat tcagagtctc 180

tgccctcatgt ctcacccctca accaaaaacaa tgcatttttg aacatattta ctttgcactt 240  
 cccaattcgg ttgttttttg gaggtctgtg tatgagtctc gta 283

<210> 11190  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<400> 11190  
 tytacacctc tgtttctcta cttttcatca caaacctgt tggttgattg acaaaaaactt 60  
 cttttcttag tgagccatta agaaatgcag attttacatc catttgggtg acttcccagc 120  
 aattgaagct agccattgct attacaagtt tcaactgttc caacctagca acaggggcaa 180  
 atacttcate ataaaccaga ctttgctttt gcaaaaaatcc ctttgcaacc agtctggctt 240  
 tgaactttgt tactttctct ctaggattca acttagtttt gtagacccat ttactgcta 300  
 tggctttctt tcctattagt agctttgtga gactccatgt cttgtttctc tcaataaacc 360  
 tcaactcttc ttccattgct tcaacccaat gtgagtgcct caaagc 406

<210> 11191  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 11191  
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 caaaaacttg ttttgtttta aaaaattatc cattaggaaa caattgtgtg taatatcgca 120  
 ttatttctac aatatgtcgt ttcaaagat ttctttataa ttataaagct gaagttttcc 180  
 gaccaagaa ttaaaggtct ccctagtga atactcattt aacttacgaa ataatttggg 240  
 tcagtttatt tgttaaaaag tagagaccat tggtatctat aaaagatgaa ttgatgtaaa 300  
 taaaaagact aaattgatcg atttttttat tgtttaacaa caaaattggg aattttcatt 360  
 cttccacgga atatcaatc taaatcttgg aagggccaaa ac 402

<210> 11192  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 11192

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ctcaaataaa gatttttggg ctacctgtcc gaccttcctt tgtaagcct gtccagccaa 120

aggatgttaa tattcttata gccattactt gaatttatcc gcaaatctac ttacaattct 180

ggaattggaa tacaacatga tgtgctatat atattattcc caaacaatg tcagtggatt 240

gtttgaattt atgctgtagg atgaactaag gagagaatta ggaatggatg aggatcttcc 300

tgctgtatta ttgatggggg gaggtgaagg tatggggccc attgatgcta ctgctctggc 360

acttgagat tcattatatg acgagaatat tgtggctccc gtacgtcaga tccttgagat 420

c 421

<210> 11193

<211> 424

<212> DNA

<213> Glycine max

<400> 11193

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cccttatcat tctctttgga attttgttca tgaatgttca tatgttctaa agaactgtca 120

atgtcatcta gcatattctt tcttgacaat atatcattac attcatcaaa ggtaacatga 180

atggattcct caatattcat agttctctta ttatatatcc tatatgcttt gctttgtaat 240

gaatatccaa gaaaaatgcc ttcacagat ttgcatcga attttcttag attatcttta 300

ccattattaa gtacaaagca cttgcaacca aaaacatgtt gatgagagat attacgtttt 360

ctatcattaa ataactcata tgggggtttt tttaaaatag gtcttatcaa agccctatac 420

atga 424

<210> 11194

<211> 327

<212> DNA

<213> Glycine max

<400> 11194

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actcctttct tggaaaccat gtgccgatg tactccactt gttgttgtgc gaaagaacat 120

ttggataatt tgagaacaaa atgattatcc aaaaggacct gaaaagcttg ttccacatgt 180  
 gctacatgct cctcaattgt tgcgctgtag atcagtatat cgctgaagaa gacgatcatg 240  
 aaacgacgaa ggaacggctc gaagatcatg ttcattgggtg cctgaaaacga tgagggagca 300  
 ttgcataaac caaaaggcgt taccttg 327

<210> 11195  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<400> 11195  
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 ggaatggaga aggagaaaaga tgattggaga cgccacttca aggagaagat gagtttataa 120  
 gaagctcacc accatgggaa gccattgata agaacttgaa tgtaggataa aattaatggg 180  
 ggaagatgga gaaaaagaac accaaattta t 211

<210> 11196  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11196  
 ntgaatgcac tattcaatgg agttgacaag aacatcttct gactgatcaa cacttgcaca 60  
 gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120  
 atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180  
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240  
 gagaggataa cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300  
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360  
 ctcatgggtt ctcttcaaac ctttgagcta ggactctcgg atagggctga aa 412

<210> 11197  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 11197  
agcttgtagg gttaaagtct cacgattgtc acgtgttgat gcaacaattg ttagccgtgg 60  
ctatacgaga catcttgcca aacaaagtca ggtagccat aactcaccg tgtttttctt 120  
ccatgccata tctagcaaag tcattgatct tatcaagttt gatgagctga aaaatgaggc 180  
cgcaattata ctgtgccagt tggagatgta tttccccct gctttctttg acatcatgat 240  
tcacttgatt gtgcatctgg tcagagaaat caaatgttgt ggtc 284

<210> 11198  
<211> 284  
<212> DNA  
<213> Glycine max

<400> 11198  
agcttgctaa cccatggttt ttctctaata tctccacac tttttggggg tggccattct 60  
tygacggcct tgattttctc atgggtccaca tggacctcat ttctaccaac tacaaacct 120  
aagaaaacta tattatctac acaaaaagta cacttctcta tattttcata gaggggtgtt 180  
ttcttaagaa ctgaaaaact tgcctgagat gtcataagtg atcatttagg ctctactgt 240  
tcagtaaaat atcatcaaaa taaacaacta caaatatacc tctg 284

<210> 11199  
<211> 281  
<212> DNA  
<213> Glycine max

<400> 11199  
agctttggag tttccaagtg ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60  
caattcttca gtgggttttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120  
gacagcttcc caggtttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180  
atattcatag ctgcttccat cgagaattgg tggtatgttc actgggtcgc cttctttctc 240  
catgttcac agaatatttc tccctagatc tcactctgtg a 281

<210> 11200  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 11200

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ntacagcaga tgcccccttta ctccatgttc ttgaaggata tgtaacttg gaaacataag   60
tatattcacc atgaaaaaat tgtcgtggaa ggaaattgta atgttgtgat tcaaaagatc  120
cttccaccga agcataaaga ccttgggagt gtaactatct ctgtttcaat tagagaagtc  180
actgtgggaa aagctctgat tgacttggga gccagcatta atttaatgtc attctccatg  240
tgcagaaggt tgggagaggt ggagaccatg cccactaata tgactttaca actggttgac  300
cyctccatta ccagaccata tggagtaatt aaagatgtgc tggtcagagt gaaacatttt  360
accttccga cagactttgt ggtaatggat a                                     391
  
```

<210> 11201  
 <211> 286  
 <212> DNA  
 <213> Glycine max

```

<400> 11201
agcttgctgt ttactacatg ctttgaacc ttctattgta tccttcttgg gcatatgcta   60
ttcttctcgg gattctcaaa attcccgata caattgtgga ggttgcgtgt tgggtattcc  120
tcacctacta tgggtattgga tttgacccaa atgttgggag gtaaagaaac tactttaaac  180
atntaggage atgcgaatgt tgttgccttc actaatttgc gtgttactta tgatgtgagc  240
tcttgaattt tgtgcaggtt cttcaagcag tacctcgtgc tattaa                                     286
  
```

<210> 11202  
 <211> 286  
 <212> DNA  
 <213> Glycine max

```

<400> 11202
agcttgtaaa ggagtgtgaa tcttgcgtgg accacctttt ccttgcgaat gatcctgctc   60
cagtttccac tgagacaact cccaagctg aaggttttga tccttcaact tcaaccacta  120
ccaagagtga tggtttggtg attccgaagg aattagctga gatcgagtac atggagagcc  180
tttatatgaa gagtactgta tcagcattgc atgttttgca ggaaattaga agtggaagct  240
caacagttag catgttttca ttgccaccgt tgaagataag tgggttc                                     286
  
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<210> 11203  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<400> 11203

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tgccttacct gcaaaatctt tcggtatatg ttcttaaatt acgaagttgt cgtccaccac   60
catactcatt ctctccactt gattcttgtg ttgtctatct tatatgtcgc aaggcatgca  120
tagtcaattt cacaattctc actcactaat ctttgaataa gttaaacata actaattcat  180
ttaccaagct ac'ccttact tgtacaacta ttggccattt ttgaggcaag aactttcatg  240
attacaattc atacaatggc ctgagtactt catgcacact ctatagttgc atacaataac  300
ttactcaact ctagaacata ggtgctacga tattgatatg ctgaaaatga ctgcgatac  360
ttttatatca cttacatcta agtctatatg atctacaatc tgaca                      405
  
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<210> 11204  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<400> 11204

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tgttactact attagatagc tactaatact attgcaaact gttattgttt ttttaactta   60
attatattac acttgtttat gtatgtgttt ttctcttgac ttaaatataa ttttggtcat  120
tttattttac tcaatacgtt attttggctt ctctatttta aaattaaaat atttgatact  180
cctattttta aaaatctaca attttggctt ctctatttta aaatacaaac attttgtecc  240
tatatttttag aaaattcata attttgatct tcatattata gaaaattcac aattttgggt  300
taatatataa ttattcctat gttttatttc ttttattttt tactttgtag ttaattaaat  360
catttcttga tgatatctta aatgaatatg tagatttagg atttaattag                      410
  
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<210> 11205  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11205

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ntgcttctac atctcttata gagttattcg agcttaatat aacaaataga agagtttttg   60
  
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ggtagtagtt catgagaccc aacatgtctc cacggggagt gccagtgttg ttagtgaaga 120  
 agaaagatgg aaccatgagg ttgtgtgttag actatcgcca gttgaataag gtgatgatca 180  
 agaacaagta ccatttgcc tgaatagatg accatacggga ccaggtgata agaacttatg 240  
 tgtttagcaa gatagacctt aggtcaagtt accatcagat ccgagtgaag tctgaggata 300  
 tctgaagac tgcctttagg acctgttatg gtcactatga gtatctagtc atgcctttca 360  
 gtgtgactaa tgccttgggt gtgtntatag attacatgaa tagaatcttt cacccttacc 420  
 ttgatagg 428

<210> 11206  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<400> 11206  
 gtaacatcag accacttcaa ggggtgctgga acttcttcac atggacttga tggggcctat 60  
 gcaagttgaa agccttgagg gaaagaggta tgcctatgtc gttgtggatg atttctccag 120  
 atttacctgg gtcaacttta tcagagaaaa atcagacacc cttgaagtat tcaaggagtt 180  
 gagtctgaga cttcaaagag aaaaagactg tgatcatcaag agaatcatga gtgaccatgg 240  
 cagagagttt gaaaacagca agtttactga atactgcaca tctgaaggca tcaactcatga 300  
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360  
 gcaagaagct gctaggggtca tgcttcatgc 390

<210> 11207  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<400> 11207  
 tagcttgcc cgaaggttta tttctatgat ccgctggagg cggcgcatct tcaactgcggg 60  
 tgccgcgcgt ggggtgtttt cttcacggga ttgtttgcga ataaagtgtga cgtggaggag 120  
 atttacggtg ttggaaggcc gttcggggct ttgatgggtg gcggagggag gctgttggcg 180  
 gccacgtga tttaaatatt ggtggtgtgc ggggtgggtta ctgtgacccat ggtcc 235

<210> 11208

<211> 424  
 <212> DNA  
 <213> Glycine max

<400> 11208

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aaactacgct ttgaaaatta aacacaataa cttttactcg gatgtttgat tgagaccgct 60
aatatatcga gtcgctcgaa attgaatacc gaagcgctga gcaaattcaa acgacaataa 120
ctttttactc ggatgtctga ttgagtcctcg taatatatcg aaaagctcga aattgaatgt 180
tgaagctcta agcaaattca aacgacaaaa actttttact cggatgtctg attgagtcctc 240
gtaatatatc gaaaagctcg aatgtgaatg tagaagctct gagcaaattc aaacaacaat 300
aactttctac tcygtgtctc gattgagtcg cgtaatatat cgagatgctc gaaatggaat 360
accgaagctc ggagcaaatt caaacgacaa taactgttta ctcggaatgctc tgattgagtc 420
ccgt 424
```

<210> 11209  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<400> 11209

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agcttctaca ttcaatttct tgcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatttgctca gggcttcggg attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttggtt gaatttgctc 180
agagcttcgg tattccattt cgagcatctc gatattattc gggactcaat cagacatccg 240
agtaaaaagt tattgtagtt tgaatttgct caggggcttcg g 281
```

<210> 11210  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<400> 11210

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ttagtgtagt gctttaagta gtgcacgata tgcttcctta ggtaaacacg ttgcctaaaa 60
gttactatca ggccaaaaag atattgtgct cgatgggtat gaagtatcag aagattcatg 120
cttgctgaa tgattgcata ttatacagac atgaatttca agaaatgccg aaatgcctta 180
```

tgtgtggggt atcacggtac aaagtgaaag atgatgacga gtgtagtagt gatgaaaact 240  
 caaaagacct aacatggcat gcaaatggga gaaactgcga tggaatgctc catcatccgg 300  
 ctgattctct ccagtggag aagattgac gtttgtatcc agatttcggc aaagaggcaa 360  
 gaaattctat gcttggacta tccactgatg gaatgaatcc atataggtag ttaagt 426

<210> 11211  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<400> 11211  
 agcttgctag ctgattctct ttttaataat ttttcagata tgttctcatt cttatgagac 60  
 caaagcacag ctgcatattt gaccacttta gatgtatcac acaatcaaata aaagggggcaa 120  
 ctcccagatt gttggaaate aataaagcaa ttagtgatct ttgatttaag cagcaataaa 180  
 ttgtcaggga agattcctat gtccatgggc gccctaatta atatgaatgc cttgggttta 240  
 cgaaacaatg gggttaatggg tgagttgcct tcttctttga aga 283

<210> 11212  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<400> 11212  
 agcttcctct ttagtaatgt cttatgcac atatcagcac cattatcacc agtatgaatt 60  
 ttggccaact ccaacagctt agcatccaaa gcacctcgta tccaatgata cctcatatca 120  
 atatgcttag accttgaatg aaaagttgag ttcttaccaa gatgaataac actctgacta 180  
 tccataaata atagatattt atcctgaaca aaaccaagct cctacaagaa tatcttcacc 240  
 catagcaact ccttgcatgc ttcgataatg gcaatgaatt ctacc 285

<210> 11213  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<400> 11213  
 agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctatatt tcagattggg aatgcctcta acagcacttt tgtcaaggat tttcttcatg 120  
 cctcttaagt gcagatgtcc aaacctttga tgccatatto tgacttcate tttcttgag 180  
 gatagacatg tggaggagta gctggtttct tggggtgtcc ataggtaaca attgtccttt 240  
 gatctgtgc ccttcattag aacttcactc ttctcatttg tc 282

<210> 11214  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<400> 11214  
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 ctctggcaga attttgagtc gtgtgagttt taattaacac ccttttttca cattaatttc 120  
 tgctagtaaa caacgtaaac tacattcttt aaattatatt gtttggactt actgtcttat 180  
 gaaatgttta ggtatctact gatatacttt gggttgatat atcaattcca atgttagtaa 240  
 acttcgtcat gatcacgtac ttttcagtaa tcagcatcct cattgtaaca tgccaaaaatg 300  
 cttgggaaac ggtcttcttc ttaataacctc tggtatggct gaataactgg tatacggtat 360  
 gatatgccta c 371

<210> 11215  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<400> 11215  
 agcttgtcaa gggaacaatt atgcatgaat tcatagatga gagctttctt gcgtccttcc 60  
 aaacagaatc aaagaagtat gacaacatta acatgagaag ttctactgat acactattag 120  
 aaaatatgtt ttctacatcg gttatttatg actttcaaca tcgggttttc aaccgatgtt 180  
 gaaagtaccg acgttgatag tattatcggt aacatcgggt ttgaaaaac cgatgttaac 240  
 gtaaaattac caacatcggg tatataaata accgatgttg ctaat 285

<210> 11216  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 11216

tctcgcagga actctgtgat atttctagta ctcaactttc tagccatttt cactgggtatt 60  
tacctctctc tctttggctc aacaacttgt gatgaatcca cgctcaggct ctactttgggt 120  
ggtgccattt tgctctcat ttccccacta tgtatccctg gaactatata tgctcgagat 180  
tggtttcacc atgccatcca ttccagcttt cggatggaag gttccggctt cattcttgggt 240  
catgttgatg atcttgagct tcataaggaa ctctcacat gtcaaaacag cgctctaagt 300  
ctcagtaatg gggcacagta tggcctgctg agtgagaatg gatccattta tgtaattagt 360  
tagagtgcaa aatctagtga tntgtgttgt gacaagatgt ttgg 404

<210> 11217  
<211> 387  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11217

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tctatatctt gaaacgttaa atctagaagg atgtacacaa ctccaggaaga tagatccatt 120  
cattggctct ctaagaaagc ttacaatttt aaatttaaaa gattgcaaaa atctagtaag 180  
cttaaccagc agcatactgg gtctcaattc tcttgaatac ctaagtcttt ctggctgtta 240  
aaaaatgtac aatatacagt tatttgatga accaagggat gatgagattt cggagaagct 300  
ttgtataggt gaagctccta ctcaatccca atcaacatcc tccattttga aaaggttggt 360  
nttcaggcct ttacatttgg tgtatgc 387

<210> 11218  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 11218

gaatgctcta ttcagtgtag tagactagaa tatattcata cggatcaaca catgcacagt 60  
ggtcggagat gcatgggtca tccagagaac cactcacgaa ggaacctcca atgcgaagaa 120  
gtcttgattt catctgtcgc ctacaaaagc ctacaatctt aaaatgaaag aagagcgaat 180

gtttaatgac tttaacctg aacattcttg agattgccta cgcttgcaact gcctagcgac 240  
 aaagaatgac aaatgaaaag ctggt 265

<210> 11219  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<400> 11219

agctttcatt aagatggggg agttcaccgg gagtgggtgag tatgtgactc acggtgaatt 60  
 accttcctcc aggccaaatc attcaaggaa agttacagat ctctctcttg tgctgctgat 120  
 cttctatgag ggttcagggg ggcctttcgg ggtggaggat actgtgcacg cagcaggtcc 180  
 tctgttagcc ctcatggat tcttgccttt cccattgata tggagtgtc ctgaagcttt 240  
 gatcactgct gagatgggta ccatgttccc tgaaaacagt ggta 285

<210> 11220  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<400> 11220

agctttaatt cctccggaat aataagttgt ccagatgagg atacagtagc acaaaattta 60  
 cggatgaaa atagtgcatt gatgcaaagg tttgtcactt gttcccgaa aagtgggagt 120  
 ggctttgacg gaatctcact agcagctgca agaaaaaaaa aaatggtaaa attcctacac 180  
 ccaaaaatta tacctataaa caccatttaa aatattaaca gaatgacacc accatgggaa 240  
 catttaaat aaataaagcc aacaaaattt aatatagag 279

<210> 11221  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<400> 11221

tgtagttagc cccttatgac cctggttgaa ccttgatatt tttgcttcat tgaatcccat 60  
 atatttattg tcatgtccct cttgaggatt gtttcaagga ctctactatc tattgctgt 120  
 aaaaggtaat tctttacctt taagtccttc aacttctgct cctcgatcaa tttgcattgt 180

gcctccgtaa gctctattcc atctgccacc atcaatatcc cattctcaat gagatcccaa 240  
tattctttgg agcagagaaa attctccatc aacattgccc aatgatcata atgaccatta 300  
aaccttgga ttgcaggctg ca 322

<210> 11222  
<211> 269  
<212> DNA  
<213> Glycine max

<400> 11222

tggagggact cactggacac tgtttttgag ttttttatat tgtgggctta tgcaggacga 60  
ctcaggctag atgggctatg agaaatgctt cagtaatatg ggtgaagatt taccatagaa 120  
tacggcgaga gctgtagatg acctttgctc agagtctagt gaataaagtg cttcttgtgc 180  
caatgcaaca ttttaaggtgt gatgggaacg acagccagac tattatttga gacactggag 240  
aacatgaatg ctttgactag gatgttcaa 269

<210> 11223  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 11223

agcttcatgt tattggaatg tattctattg acttcaagcc ttccaacttc taatgagcac 60  
cattatcaat ttcactatca aagctaccag accttttcaa tgcgggggcca atgctatctg 120  
gtcgatttga aggcagaggc catgaaattt acctcaacta tatatcaa at gatatacacc 180  
tcatatgccg cttgggggcta taatctacac ataaaggaac aactaaaaat ctattgagga 240  
acaggtagag aaactaaagc caccaataag tgtaaaatgc tcacat 286

<210> 11224  
<211> 315  
<212> DNA  
<213> Glycine max

<400> 11224

taacctcctt caactgctta ttgtatttaa tatttgaaga gaatccttgt ggagccttca 60  
cccagcagact aaactgataa ataattatcc ttggcttctc ggacaaagt ttggcacgctg 120



ggggcaagat taatcttatt acaatgagac cttggatgcc atcgtgatct tatacccggtg 180  
 agaggttgat cttgacgggt cggaagcca tcttcgcct tgccttgaat gttaaggagc 240  
 gtcccaatca cactgtcacc aacatttgtg tccacatgca taacattaat acactgtcta 300  
 acgtcaagat ctcac 315

<210> 11225  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<400> 11225  
 taaagcatgg taagcttttag cctattgagt ggtatattaa atgaaaaata tccaataata 60  
 tctttgatta tatttttaga ataacttaga gtatcttata ttttgtaag attattctct 120  
 atatttccta atatttcattg atttgtttcc atattgacta ttagtataaa taaggattag 180  
 tgctttatgt tttagtcata ctataacaca tcatatcaaa taaagtcaac atcaataatc 240  
 tcaactgtatt cagtttctta attcctatct ctctctctct atacctaaat ccataatggt 300  
 ttaacacacg taatgtatca gttcacacta gcataaattt aaaaacaaaa tccaaatgat 360  
 gatcataagt ggcgcatg ga 382

<210> 11226  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<400> 11226  
 ttgcctcaaa acaaagtgtt tccattacat gcattgtctt ggtaatcgat tactaggcag 60  
 tgtaatcaat tactagaaga taagtttgaa aaatagctgt ttaaaagggt tttgaatttg 120  
 aaaattgaac ctataatcga ttgccagatg tgtgtaatcg attaccagca acgatactct 180  
 ttaaaattcaa attcaaaagt catgaccctt caaaatataa ctgtgtaatc gattaccaga 240  
 aacctgtaat cgattactag tgaagaaatt cagaaaaagc tttttgaaaa gacacatctc 300  
 ttcaaaccat tttgaaaagg cacgaagggc ctatatatat gtgtgtgtct gacttcaaaa 360  
 agcaagagag aga 373

<210> 11227

<211> 327  
 <212> DNA  
 <213> Glycine max

<400> 11227

agcttatcaa catcaaactt gtagaaagag ttcttggggt caagacatga gaagcaatca 60  
 agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120  
 gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct ccttctgct 180  
 cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240  
 acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300  
 aaccgagctt tgacaacatc aactaat 327

<210> 11238  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<400> 11238

tattgaaatc aaacaagata ataaattatc ctactttat aatagaagca tatgttcata 60  
 aataacaaat aagtcataag tcatcaaac ataaatcatt tgtctaagtc acttgcattc 120  
 agaagtccca attctctctt aatgggtgtag aaagaatctt tggttagtgg ttttgtgaag 180  
 atgtctgcaa gttgggtttt agtatctaca aatttttaaa acacaatcac ctttttccta 240  
 agactaagtg ctaattgact atcaacactt accaagataa gtttttatta acatagaagg 300  
 ttttatcata tcaaaataat tttatttgaa ataaaaatata ataattttga aaagcataaa 360  
 aaatatttta aacaatcaat caagt 385

<210> 11239  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<400> 11239

agcttctggt gggacatttt gtcttgcttt ccaatctgac attcaccaca gattctgcct 60  
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120  
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tctcttggag 180

gatagacatg tagaggagta gctggtttct tggggtgtcc ataggtaaca attgtccttt 240  
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300  
gtgaagttta cattgaatcc tt 322

<210> 11230  
<211> 305  
<212> DNA  
<213> Glycine max

<400> 11230  
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ggtcgagctt gacctctcaa caaacaagct cactggattg gtgcctaaat ctctatgcct 120  
tgggaggagg ctcacgattt tgatcctgct caacaatttt ctctttggat ctttgccctgc 180  
tgatcttggc caatgctaca cactccaaaag agttcgttcg ggacagaact acttgacagg 240  
atcaattcca aatgggtatc ttactttgcc tgagtaggcc cttttggaat tgcagaacaa 300  
ttacc 305

<210> 11231  
<211> 316  
<212> DNA  
<213> Glycine max

<400> 11231  
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tcttgatgt gatagtagat ggtctaatg tgtcaataac ttcttaattc gggcaaaaat 120  
cgaatcacgc gaaatttaga tgctttatta ttaattcagc tagatctaata accttcttga 180  
ccctggctct gcagggtcag tgcattgac ctgcttgat taggtgccaa gaaatctttt 240  
taagggtggtg tactgcaaaa ttgcttgctt acacattaag agcttgtcta ggagcgattt 300  
aatgacttgc tcgggc 316

<210> 11232  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11232

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 atacaataca catgtcaatc acacaaaaat ttagataaca catgttatat ggtggttcac 120  
 aaatatttgg tttgattaca aagcataatt aaaatgatta gatttatcat tttatatacc 180  
 tgaaatatta atttttgtaa ccaatctgaa cttttatgca atttatacat gtatttcaac 240  
 ctttgaaagc tactctacac gtgtaatccg aacctatgat cgaattatca tatttattta 300  
 aaatgatttg cagaataaat tttatgttga ttagttnttt tttccaatgc ctatatttat 360  
 cgatttggtt aaat 374

<210> 11233  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<400> 11233  
 agcttctgac ccccttccat attctgataa ggcagcaagg tgtctctata atcatcaaaa 60  
 ctctcccaag tactgctgga ggcaccatca agaagcacaa ggttgccagt gtcattgaac 120  
 acaccactag aaactctagc agtgaagcca ccagtgttcc ataacttacc accatttggg 180  
 gcagtgagaa ccaaccctac atcagcagaa agctcaactt ttgagccctt tgggtgcaggc 240  
 ttgttgctcc tattggcaaa ccaaactatg gttctgtctt gaatgttggc ataccaaatg 300  
 caaagtatga aatgatcag 319

<210> 11234  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11234

tatcattcta tctctcaaaa agtatgaaag gaagttcaag agatgcaggc aaagcatacc 60  
 cctagtagac aaatatttct atcttacctt catgtagaca tctgtatctg gatcagggtg 120  
 aatatttgc tctttttctc ttctgaacac ctctgctagc aaatctgcag aatgtgaaat 180  
 aattttagtt aaaacttgat ttttcatatg aattttggct cgatttccaa attgcagctc 240  
 tgtgggctaa ccataaggag gcccaactcc ttggactcat gctgagaagg ccagggtttc 300

tctgactgtc atttctccaa tatgaagatc attntgactt acaaactcat tcataccatg 360  
accattataa gtcacctt 378

<210> 11235  
<211> 322  
<212> DNA  
<213> Glycine max

<400> 11235  
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tctgaagata tttggctgcc tttgtttctc ttacatacct caagtaaaga gagacaaact 120  
tgacaagaaa gcagaaccta gaatttttgt aggttatagc tcaacttcaa aggcctacag 180  
aatctacctt ccacaaagca acaaagtaat tgtcagaagg gatgtcaaatt ttcattgagtc 240  
agatagttag gactggaaaa atgataagag gtctgagttt caagaggaga atgaagatgt 300  
agatgaagaa cccattgagag ga 322

<210> 11236  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11236

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cagaaactat gctagaaaga acaccgggta atctaactat ctcaactgacg tacaagctag 120  
tcaacctctc taaagaatat ctgatgttta ttgggatgaa gagagcagat ttggtcaacc 180  
tgtctacaat aacccaaatg gaatctaac ctttgggggt cctaggtaac cccactacga 240  
aatccatgga gatgctatcc cacttccact caagtatctc taaagggtgc aacttccctg 300  
aaggcttctg gtgttctatc ttagctttct gacacactan gcatgcaagg acaaactcat 360  
taacttcttt cttea 375

<210> 11237  
<211> 321  
<212> DNA  
<213> Glycine max

<400> 11237

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cattgccaat gcagttcatg gtatggaagt tggggagttt gctacattta tggcacttgg 120  
tttgcacttc gtggtcttgc agcggcgagt aaaacttaca ctaattgtgc tgccattcgc 180  
aaaaccatta aatttctact ttcaacactg aaagaggatg gtagggtggg agaagctat 240  
ctttcatgcc caaacaggt ttgtcattga atggtcattg taaacaggat actatatggt 300  
ttattaaact gtattaaata t 321

<210> 11238  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 11238  
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aagttcttca agggaaggtt gtggaggggc ctcaactgtt tgctatttct gaggatgttg 120  
ctgttgttgc tgctggattg gtggaggaac gtatagtctg cttgggccag cagcattttg 180  
aaaataaggc tgttgttgtt gctgctgctg ttgtgaagga ttgatcctc taaggttggg 240  
atgattcctc catctgggat tgtacctatt gctggagagg tcataattat tctgttgttg 300  
ctgattttgc tattgaagtt gaggaggttt gttgtagatg ttgacagcat aagcttcagg 360  
ctattcaatt gcttcagatt g 381

<210> 11239  
<211> 376  
<212> DNA  
<213> Glycine max

<400> 11239  
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aatggaaggc atgttttttt ttaagatagc cctttaattc gtataacgtg agattaatat 120  
gattcttctt catttaatat tgcagtcatt gccagtgttc atatttgcaa atcaagctgg 180  
ccttgacatg ttggaacaaa cctagttgc cttacaagat atcacattgg ataaaatatt 240  
tgatgaggct ggacgcaagg cattgtgtac agactttgcc aagttaatgg agcaggtaat 300  
aataacttct agtgatcaca aaattttcaa gttacaacta cattgtcatt ttgaaaattg 360

ctgaattggtt ttctgc

376

<210> 11240  
<211> 299  
<212> DNA  
<213> Glycine max

<400> 11240

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tgtcctatctc tgggacataa ctcatcttta cgctcgaaat tgagcaacgc aagctctcga 120  
gaaattcgaa tggtcataac atttcgcaca aatgtccaat tctgggacat aatataatcaa 180  
gacgctcgaa attgaatatc ggaagctctc gggaaattca aatgggcata acttttcaca 240  
tggatgtccg atttgggaaa ataatatatt tatatgctcc agattgaaca acgaaagct 299

<210> 11241  
<211> 323  
<212> DNA  
<213> Glycine max

<400> 11241

agcttgtttc ataaccacct gttttatatt atccatttac agtctataaa aacttcagga 60  
tttttctcgc acattatggt ataatggtct catgtgtcat tttagagggg ctattctcca 120  
ttcagcatca tggcacacat agagttgctt tcttgtttgc tccagttggt gcaacatggc 180  
ttttgtgtat tagcagtatt ggtatataca acatattcca ctggaaccca aaagtatacc 240  
gtgcactttc tccaatctac atggcggaagt tcatcaaaac aactggggatt gaaggatggt 300  
tgtcattagg aggagtgggtg ctt 323

<210> 11242  
<211> 321  
<212> DNA  
<213> Glycine max

<400> 11242

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tcctttcaca agctgaagca ctataagttt ggcttaaaac acgaatagcc aatttttgca 120  
attatggaac actacatcca taacaatccc accattgatc taggatataa catataaaga 180

aataaatcaa tataatgaat atattatgac togctaaaat aaatcacaaa tcagtaatgt 240  
 tatcaaagta tcaaacacta aatttacctg gcatgactat gtcccggtca catattgcag 300  
 ctcgtcatgc aaaatattct t 321

<210> 11243  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 11243  
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 gtgaaatddd aacgtattat aacaaattda atataataat aataactaaca atgaatattt 120  
 attcctttta aaaaacattg agtattattt tatgatttat taaataaaact agcctcttga 180  
 atgacctaaag acctaattdg ttttaactaaa taggttttaa taaaaccttt tatttggtct 240  
 aatttgagtc tgatgtaaaa taatgacgat tctgtaaaat aaaataaaat tactatgcac 300  
 ttttatatag acagcacatc cgta 324

<210> 11244  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 11244  
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 aatttacatt aattacaagt ggaacattat aatgagtaat gatcaattta ttaacccaaa 120  
 gtattttcaa tectacaaaa agaactgcaa cttggaggaa ttctatataa ttatcaaaag 180  
 tttctataca aaagtttgtc gtataaaatg actaacacca aaccatagct aaaattcact 240  
 aatcataatt agtgaaattd ttgctccata aattcaagtg aaatttgaat agaaattcaa 300  
 atttccctcc aattttttgt gacacttagg ctataaatag aggtcatgtg tgtgcatttt 360  
 tcaactttga taatttgaga 380

<210> 11245  
 <211> 375  
 <212> DNA  
 <213> Glycine max



<400> 11245

tcctcttatt agtgcatagc tcctttaaga attctgcata tcttggaatt tgctttattg 60

catccagcag aggtatgttt acctctactt ttctgaatgt ttccaagatc tttttctctg 120

cctcttccat ttttttgttg gaaactgctc ttggagggaa tggaagagga gggatgtgtt 180

gcttctgcaa atcagaatta ccagtgaag attcacctgc acataaattg ttaggtaaat 240

ttttgtcatt acctttttct gggtttagagt gaagttgggc aggttcattt gcagatgagg 300

aaggtgctac gggttgaggt ccttgacact gctttcccga cctcaatgaa atggcactga 360

catttttggg atttt 375

<210> 11246  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<400> 11246

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accggttctt atcgccaaat gttaaatgtt aattgtcagt agtgagatgt gaactcacga 120

cctcatctca ctcccttata actcttgctc atattgatat tgatatctta attggtaatg 180

cggtcttggtg tgctggaatt gcaactggag aaattcatca ctcacacagt tccattctca 240

gagattaaca aggccttttg ttacatgctg taaggggagt ccatacagatg catccttcga 300

atgggggagt aaatctatat cacaccaatg atgacatgac cttgtccctg ttgggggact 360

<210> 11247  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<400> 11247

ctgatttcct ttgttccgga aacctttctt ttcttatgtt ctcccaaacc caatctccgg 60

gttcgaagac aaccttcttt ctcccttctg ttggttgttt agcatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattat gcataggcaa aagatcaaga ggagtttagt 240

ggttaaaacc ataaacatct tccaaaggag aacaattagt ggcgctttga acagctctat 300

tgtaagcaaa ttcaacatg

319

<210> 11248  
<211> 374  
<212> DNA  
<213> Glycine max

<400> 11248

ctgtcaagct cagagcagag attagtgtgt gttttaagtg cagagaaatt cactacaacc 60  
caggtgattg ggtgtgtgtc agattgagac cacgacgtca aacatcggtg aaggggttctc 120  
tgacgagttc tgggaaatta gccaaacgat attatgggcc attccaggtt atagaacggg 180  
tcggagaagt tgcttaccgt ctccagctac cggcagagga aaaaattcat tcagtgttcc 240  
actgttcttg tcttaaacca ttccacaggt caccggagca ggttgacaca tcgcctttac 300  
cacagcaatt cgtgggagat caacccatgg ttactccttt agctatcctg gattatagac 360  
gctctccggt agac 374

<210> 11249  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 11249

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taattgtttt acttggtatt tcagttttct tgtataaact tctaagctat ttttaaaatt 120  
ttaagattat aaatgtttta aatttattct gtttcttaat gttaatcatg atcaactatt 180  
acttaaagtg aaagcatttt ttaaataaat ttaatctttg cctacaatca taagctagaa 240  
gtttaaaaat gttattaaaa aacatcaaat ttactccaaa gataattaga gaagcaattt 300  
gttgcaaaaa tcatatatt 319

<210> 11250  
<211> 305  
<212> DNA  
<213> Glycine max

<400> 11250

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tctcgatagc ttgcgttggt caatttcgag cgtctctata ttttatgcgc ttgaatcgga 120  
 ccttcgagtg aaaagttagg accctttgaa tttctcagaa gcacccacta tacaatctct 180  
 accggctcga tttcttatac gcttgaattg gacctacgag tgaaaagttg tgacctgtg 240  
 aattttctga gagatacagg tgtaaacta ctagecgtgat gatattctat gtgctttgct 300  
 ctgac 305

<210> 11251  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<400> 11251  
 ggacatctat gaaactcagc tttcagggtc tateccctct tccctgtgaa actgtttaat 60  
 gcttcagtc cttgatatta gcaacaattc cctcagtggt aaaatccctc ctagttttagc 120  
 aagatcttct aggatattca ggatcaattt gagcttcaac tcactttccg gatccattcc 180  
 tagtagtctc actatgtctc cttctctaac cattcttgca cttcaacaca acaatctctc 240  
 tgggtttatc ccagattctt ggggtggaac tggaaagaag aaagcttccc agcttcaagt 300  
 tttgaccctt gatcacaatc ttattttctg aaccattcct gtttctctag ggaagcttgc 360  
 tttgcttgaa aatgtttctt tgagtcataa ccagatt 397

<210> 11252  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<400> 11252  
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 gtgacacttg tcaattttgc aaacaaaaga ggctaccttt tctgatagc attattgttt 120  
 cttctcagag gtttgatttg ctgcacatgg atatctgggg cccttatgct tatecttcat 180  
 tacttgggca caaatatttt cttactattg ctgatgataa aagtagatat acatggatca 240  
 tttttctaaa actaaaatca aaagttgcaa atcatatcaa acaatttgta tctatgattg 300  
 aaactcattt ttctg 315

<210> 11253  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11253

tcttatccaa ggtaattctt ggtggtgaag ctctctcttc cttgtcttat tccatagtgg 60  
 atggtgcctc cctctctctc ttctcctttg ccttccgctg catctccagg gtgtaaaatc 120  
 accattaaag gacctcattg aagctcaaag atccagcctc catagaagct ctacaagcaa 180  
 gcttccatca caatatatat aaattatcat ccgggaaatc atcccgaatg ggtaagtcct 240  
 catcagacac atgttcgatc cgactcaaat gatcagcaac taaattttat gctctgctcc 300  
 tatcacggat ctccaagtea aattcttggg gccaaagcat ccatcagatc aacctaggct 360  
 ntgaatcagc cttctgc 377

<210> 11254  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11254

tctaaactnt gtacaagaat gaagctctga tacctcttgt tgaacaagtg gcctcagata 60  
 tctcaagaat gggagggtga attaagatat cacacactat tccgccattg gaaattctac 120  
 ttgtattgta acccagctcc cagcattcct tttaaaatga attcttatat aataattcaa 180  
 attaaactta ttgaatagaa acagtaagca acatgacata atagagttaa agggaagaga 240  
 aattgcttac acagttttta tactatgacg gcaaagtccg atgectacgy ccaatcccca 300

<210> 11255  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<400> 11255

agcttgcttc cttgctttct ttttttggtt ccttgcttcc ttgcatctt tggttatctg 60  
 ctgcttgcaa cttcttggtg agtttatctt aattgataat aaatccgatg catgtttaag 120  
 ttataaatc taagtgttat gagttaaata tgttttaggtt aactgtgttt tatatgttaa 180

tggtatatat gtataagtg tatttataaa ttttaagttg ccatttgaaa tattgatatt 240  
 atttatattg tatgtatatg ttataatatt agatagtgagg tacagatttg tattata 297

<210> 11256  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<400> 11256  
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 aatctgcacc tgtcgccaga cttcgtgggt tatgtctctc tgtcgaccac cacacagacc 120  
 ttctgcccttc tatgcaacaa tctaaagcaa ttgaacagcc tgaagcttat cctgcaaaaca 180  
 tctacaatag acctctctca cctcagcagc aaaatcagcc acaacagAAC aattatgacc 240  
 tttctagcaa caggtacaat ccaggtgga ggaatcatcc caaccttaga tggttgagtc 300  
 ttccacaata gcagcaac 318

<210> 11257  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<400> 11257  
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 acgtggaagg gaaaatggaa actttgactc tagtgctaga gtttatcata aagtcactcc 120  
 caagaaatta ggggctttgg gttccaatga aggagctgct taccatctgg gattgcatca 180  
 caaacagcta tatgtgtact gtctggtaca agtgttctaa atgctagacc acgtagtgtc 240  
 acttcgtctg gactac 256

<210> 11258  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11258  
 tcatgatgaa tcaagaatga ttcaaagatg tnttgattct attatatatg atgacaaagg 60

tgatgacaaa aagctcaaaag gtcaatcaaa gaatgagttc aagatgttca agaaagaatc 120  
 aagaacactt caagattcaa gaggaaggtt gatttcaaga atcaagactc aagattcaag 180  
 aatcaagaga agacttaatc aagataagta tgaaaaggtt ttttcaaaaa ctgagtagca 240  
 catggatttt tctaaaaaaa tgtttaccac agagttttta ctctctagta atcgattacc 300  
 agattattgt aatcgattac tagtagcaaa atggatttga aaaagttttc aactgaattt 360  
 acaacgttcc aattgatttc aaaaagctgt aatcgattac aatgttttgg taatcgatta 420  
 ccagtcgctt tgaacgttga aat 443

<210> 11259  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<400> 11259  
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 gctcaaagaa aagcttacta aggcacctgt tctagctctt cctgactttt tctaaaactt 120  
 tgagctagaa tgtgatgcct ctggagtgcg agttggagct gtattgttac aagggtggga 180  
 ccctattgct tatttttagtg aaaaacttca tagtgccacc ctcaactacc ccacctatga 240  
 taaagagctt tatgccttaa taagagccct ccaaacttgg gaacattacc tctgttccaa 300  
 ggaatttgtc att 313

<210> 11260  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11260

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 tctattttca gattgggaat gcctctaaca gcacctttgt caatgatttt cttcatgcct 120  
 cttaagtga gatgtccaaa cctttgatgc catattctga cttcactctc ttggaggat 180  
 agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttgat 240  
 ctgtgcctt tcaatagaac ttcactcttc tcatttgcga ccaagcattc tgactttgtg 300  
 aagtttacat tgaatccttc atcacacagc tgactgatgc tgatcaagtt ggcagtcagt 360

cccttcacca gcagttacttt gtccagacta ggaagtccat catggactag ctttcccatt 420  
 ccagtgatct ttcttttaga gccatacttc aatgtcacat a 461

<210> 11261  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11261

tgcagactaa gtgtcacta acacntagaa ataatccttc tttttgtacc acgnaaacct 60  
 cttcttctag atcaccattc aggaacgtcg atttcacatc tatttgatgc aactcaagat 120  
 caaaatgagc tactaatgcc aaaattactc gaagagagtc tttcttagat acaggggaaa 180  
 aggtctctct gtaatcgact ccttctctct gagtgaatcc tttagcaaca aatcttgctt 240  
 tatgtctctc aatgatgcct tctgagtcn tctttgcttt gaagacccat ctacatccga 300  
 tggctgttac accatgagga aactcaacga gatcccaaac ttgggttagat gccatggaat 360  
 ccattctatt cctcataggc atataccaca 390

<210> 11262  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<400> 11262

attctaatta ttccagtata gataattgta ctcatctggt atttccaaaa tgtattatgg 60  
 cttttgcaga caggaataga gccagcattt gtcttatttt ttgattgccc tgacgaagac 120  
 atggagacgc gacttcttag tatgaaccag tgtggatgcy tttctctttt taataatctg 180  
 tatttacttg tgctactcat cacttgagac tttttgtcc atcataatta agggttctga 240  
 ggatgacgct cttgctacag attggaagcg gttaaggtt ttctcggaga ctagtcttcc 300  
 cgtgatcaat tattatgatg ccatgggaaa agttctctag cgtactgatg catgtgattc 360  
 taccatgttg atcacatat 379

<210> 11263  
 <211> 376  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11263

ctgacattca ccacagattc tgccttcttc tattntcaga ttgggaatgc ctctaacagc 60  
acctttgtca atgattntct tcatgcctct taagtgcaga tgtccaaatc tttgatgcc 120  
tattttgact tcatcttctt tggaggatag acatgtggag gagtaactgg tttcttgagg 180  
tgtccatagg taacagttgt cctttgatct gctgcccttc attagaactt cactcttctc 240  
atttgcacc aagcattctg actntgtgaa gtttacattg aatccttcat cacacaactg 300  
actgatgctg atcaagtttg cagtcagtcc cttcaccagc agtactttgt tcagactang 360  
aangtcatca tggact 376

<210> 11264

<211> 251

<212> DNA

<213> Glycine max

<400> 11264

ctatgctgca aacatctaca acagacctcc ttattctttg cttgcaaadc agccacaata 60  
gaataattat gaccttttca gccacaggta caatcccgaa tggaggaatc attccaacct 120  
tagatggttg aatctttcac aacagcagta gcaacaacaa caaccttatt ttcaaaatgc 180  
tgctggccca agcagaccat actttccttc accaatccag cagcaacaac aacaacagcc 240  
ccagaaacag c 251

<210> 11265

<211> 416

<212> DNA

<213> Glycine max

<400> 11265

tcaagaaaat gatggcctca gcaaatctct tttttttgtg cataaccata gaaaaaccta 60  
gagatagatg gtctgaagag gatagaaaaa gagtacaata caacttaaaa gacaaaaaca 120  
taataacatc tgccttagga atggatgaat atttcagggt ttcaaatgtt aagagtgcta 180  
aggaaatgtg ggacactctt cgattaacac atgaaggaaac tacagatggt aaagatctag 240  
gataaatgca ctaactcatg agtatgaatt atttagaatg aatgcaaatg aaaatattca 300



gagtatgcaa aagagattta cacatatagt aatcatcta gcagccttat gcaaagaatt 360  
 tcaaaatgag gatcttataa acaagggtgtt aagatgttta agtagagaat ggcaac 416

<210> 11266  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 11266

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 tagctacaca caccctcttc ataactaagc tcacctcctt gagaagcttc cttagaaga 120  
 ttcttaaaga tgcttagct tagctacaca tacctctcta atagctaagc tcacctcctt 180  
 gagatgagaa gctagagctt agctacacac cccctataat agctaagctc acccctatga 240  
 caaaaaacat gaaaatacaa aaaaaaaaaag tccttactac aaagactact caaaatgccc 300  
 cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg ccagacaaa 360  
 ggaaataact attctaatat ttacaaagat aagcgggctc atacttagtc catgggctag 420  
 aaatctaccc taagggtcat gagaaccct 449

<210> 11267  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11267

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 cttaggacct gaagtggtag agcaactgcc gagaaggtag agttgatcca agaaaggatg 120  
 aggactgctc agagtagaca gaanagttat caggataaaa ggaggaaaga cttggaattc 180  
 gaggttgatg atcatgtatt cttgagagtc actccgtgga ctgggggttg tgcagcattg 240  
 aaatcccgaa aactcacacc tcgttatatc ggtcctttcc aaattcttaa aagagtcggt 300  
 cctgtggcat accaaattgc attaccccca tcactttcta atcttcacaa tgtctttcat 360  
 gtgtctcaac tccgtaagta tatccatgat ccactctatg ntgatcaaat ggatgacgta 420  
 caagtaaaag agaacttaac atatgaaaca 450

<210> 11268  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 11268

actaagcttt acctgcttac aaaatcagag cctatcagtc ttttaaacat ggtaccagct 60  
 ggagagttaa tcgaaaaatt aatgatgcat ctttgttct gatcagcca tgcacggac 120  
 afaatagtac aaccatactt gaccattgc tccctatggc ctttcatcaa attttcagta 180  
 tattcaactt cctttctcaa gagtggact ctgatgtcat gatagctagg aatgggcaaa 240  
 tgtggcccat attgaccaat ggctgcaacc atgttctcaa agcttttcaa tttaatgagg 300  
 ttgaatgaaa aacctgcttg gtacaaaaag cgagcaatat gtagatgcac cttcaatact 360  
 tcattcttat ccattgactc tcttatgttc atttgctca gcattccat ttttctccga 420  
 ttgattgcat tatctggatt cttacaaaat ttgt 454

<210> 11269  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11269

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 attntgaaga agtccttgat gaacctccga tagaagcctg tgtgtccgag gaaactcctg 120  
 ataccccttag catttactag tgggtgtaac ttctcaatga cgtctatttc ggttttgtcc 180  
 acctcaatcc cttgggttgaa accttatggc ctaatattat cccttcctgg accatgaatt 240  
 gacacttctt ccagttcaac accaattttg ctttaacaca tcttcgcaac atgagcttta 300  
 gattggtcga gcacagtc aag 323

<210> 11270  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11270

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 ttcaggagat cctttattct ggaatttgga catgacacat ggagcgtagt taataactgtt 120  
 tttagtaagc taaataaatt atatgataaa atgtgatttt cctctcttga aatatttttg 180  
 aatgttactg taaatttttt tttggaatgt tgattttaat ccctttaaaa aattaatata 240  
 tttttaatta cctataaaca tgtatttcac tatccgtgac gaagaactaa aatctattac 300  
 ttttgataaa tgcaaagact aaaaatatgt taaattttta taaaaactaa atctaataac 360  
 acaaacaat ttgagaggca atacttattt aattttatcc tanaatatat tatgaatagt 420  
 tgactaactt tactactcta ctcttta 447

<210> 11271  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 11271  
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 tgacatttct ttcaatttca ggccaatttg gattacatgt aaatgtcaag aacaaatcag 120  
 gaaatccaag ctgtccacaa atagtcatta catcaaagta gagctgctcc atatatctac 180  
 gtgatccaac aaaagattat ggcaatataa taatctttcc tctctgattg ccttgagttt 240  
 gagcatgac tatagattga ctcaaattca tatgtttgtc aacccttaaa tcttggtgat 300  
 gatctctcac aatagttagt ctttgggatt caatcatggg ttagccatct actacaaatt 360  
 ggtggagcaa tctccctgat cttagaatag gttgagcctc at 402

<210> 11272  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11272  
 ntcataaaac gtcgatgcca aggggatant gttttctccc ttgntncagn ntaacgtagc 60  
 tggctctctc ttcacagata aggcattgac gatggccctt aacattgtat ccaactcaat 120  
 tcccatatgc tagaaagtc ttaattggtaa aaaaatagca atgcacacaa cttgaatgtc 180  
 tcattttgat acccatcaaa catagcaacc ccttcacccc acaactttgt taagtcttca 240

atcaagggac tcagataagc atcaatgtca tttcttggtt gtcttgggcc taataccatc 300  
 acaacaaca tcatgtatct tcaattcatg cacaaccaag gaggcaagtt gtttaattact 360  
 agtaatatag gccacatact gtgctgagtg cttaaactgc catagggatt cattccataa 420  
 g 421

<210> 11273  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11273

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 acaataaagt cgccttaaag tacaattgaa tttgattgtg aattcaatgt attcatttga 120  
 aattcactta gttttaccga cttctttaag catctctact ggatgatatt tcattgttgc 180  
 attcatataa atcaaattta tcatntttct gaatgttggt ttttgaaata ttacagttg 240  
 aaaatcctat ntaccttagc catctgtcat gttttcttat tgcagagaca cttgttcatt 300  
 ctacactgga accctgtgat gatgcggatt tcacttttac tgtctttttc aatttgaaag 360  
 agtacacagt atatgtaaaa cagaggcctt atctccacgc attcttggag agagtatc 418

<210> 11274  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11274

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 aaggccagtg tctaacgtg atgaaagaca aattggcact actagaaaga atgggttttaa 120  
 catcactatg taaacatcgg ttttatcaaa aattgatgtt aacaaaaacc gatgttaatg 180  
 taatcatctt aacattcaag gcaagaaaaa ggatgggttg aatactcacc aagatctaac 240  
 tgagatgggt atatgtgaac agttacatcc aatgtttgat ggtaacaaaa tatacttgcc 300  
 tccagcttgt catactttgt caagaaagga gaagacaagt ttttgtcagt gtatgctttg 360  
 tgtcaaagtg tcacagggat actcttaaaa tattaagaac catgtgcaac tgaaagatct 420

gaaatagttg gctaaagtct catgatg

447

<210> 11275  
<211> 351  
<212> DNA  
<213> Glycine max

<400> 11275

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aaataagtg cacttcagag tactcttcca tgtecatcac tacaaagtcg acaggaaaaa 120  
tgaatttata caccttgaca agtacatctt caagaacacc atatggatac ttaatggaac 180  
agtccactaa ttagaggggtt atctgtatag gcttaagttc aagatcacca atttttgctg 240  
ataaagagat aggcataaga ttgaggctag ctccaaggtc aagtaaagct ctccccacct 300  
tgagttttcc aataattatt ggaatagtga agctactagt atcttggagt t 351

<210> 11276  
<211> 351  
<212> DNA  
<213> Glycine max

<400> 11276

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atctcggtg actetaacag cttagcatcc aaagcatctc gtatccaatg atacctcaca 120  
tcaatatgct tagaccttga atgaaagggt gagttcttac caagatgaat aacactccga 180  
ctatccacaa atagtagata tttatcctaa acaaaaccaa gctcctggaa gaattttctc 240  
acctatagca actccttgca tgcttcagta atggcaatga attctgcctc tgtagtagac 300  
aaagctacac acttctacag cttggactgc caagtcacaa ctccccctgc a 351

<210> 11277  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 11277

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caaatccaat catcggaact ccttttccat tgcgctggca ttgatcttca agaaccaaag 120

gactccattg atgaagaaga tccagggcct acaaactcca catggagtta catcaatgtc 180  
 tataggggag atgacatcac aagggtacaa atatgttgct tcacagtggg gacgcaaagt 240  
 gtataaatgg aaacacttgg tgttgcattg acagataaat aaaggctacc tttagctattc 300  
 ggatgggtcaa gtttcgaaga ggaac 325

<210> 11278  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 11278  
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 ctcgagtgtc tccgttggtt aatttcaagc gtctcgatat tttatgtcct caaatcagac 120  
 atcggagcga aatgttatga ccattcgaat ttgtcgagag ctccggtttt tcaatttcga 180  
 gcgtctagat gaggttatgc accgaatcac acatctgagt gaaatgttat gaccattcga 240  
 atgtgtcgag agcttccgat gttcaatttc aagcgtctat gatgagttat gtcaccgaat 300  
 cggacatccg tgtgaaaagt tatgacgatt cggctttgt 339

<210> 11279  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<400> 11279  
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 cccatcttta atggagtggg ttaccactac tgaaaaaccc gcatgcaaatt ctttatagag 120  
 gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180  
 gtcggaagtg aaacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240  
 ctacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300  
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<210> 11280  
 <211> 334  
 <212> DNA  
 <213> Glycine max

<400> 11280

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gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagaga gaatgatggt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180

aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggacaaaaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300

gtgtggtgga acaagctact aaaggagaga gcaa 334

<210> 11281  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<400> 11281

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ctttcgaate aaattcctag cctcagcagg agtcatatca ccaagggtc caccactggt 120

agcatcaatc atactcctct ccatgttgct aagtcctca tagaaatatt gaagaaggag 180

ttgtcagaa atctagtggg gagggcagct tgcacacaat tttttgaatc tttcccaata 240

ctcatacaag ttctctccac taagttgcct gatgcctgaa atgtcttttt tgatggcagt 300

ggtcctagat gcaggaata atttgtccaa gaacaccctc t 341

<210> 11282  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 11282

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taaaataaaca aaataatgca tatgaattat gaaagaccat gggcaaagag cattttatat 120

gcaccttgat gccaaagtga ttagcaactc ctctcaagaa ttcaacatga gcaccatcaa 180

gttggggggt acgttcccca acccatagca tgtgagctga gcaatcataa tgaagcccag 240

tagtagaate ctccctagta agtgcttgct cataagggag aagcaaacac tcatggggag 300

tcacaaagtc tgttgtaact atgatgggat 330

<210> 11283  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<400> 11283

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 atcaacaagt tggatgtct ttgtcagaaa gggagcaggc actgacttgt gagattccat 180  
 agtgaacacc atgctatctt cacacctgtc tagtgtgaaa gccatcactg aattaccaaa 240  
 tagtgctagc tgcctccaat attattcttt gatggtaact tcttttccat tcaactttttg 300  
 cacaccacca agttttaaaag aacctctctc actctctatc atattataat ttg 353

<210> 11284  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<400> 11284

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 gtgttattgg gtttggggcc cgagagctaa atgctgcaac aactggcgac ggtcfaatc 120  
 caacctttgt tccctcaaac ataagcctag atgttggttt tcgagcatct tgtaagtaca 180  
 acttgatgag tttccagccc ttgaaaccca ctgcagttgt tggtaaaaga tgggcacatg 240  
 ccaccaatc ctctccgtcg gattccgaat ttgctaacac catgccccaca ccgccggcag 300  
 atttcaccac aagtcctttc tctaccctag aactattt 338

<210> 11285  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<400> 11285

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 tgatttctcc agatttacct gggtaaattt tatcagagag aatcagaaa catttgaagt 180



attcaaagag ttgagtctaa gacttcaaag agagaaagac tgtgtcatca agagaatcac 240  
 gagtgacat ggcagataat ttgaaaacag caggctcact gaattctgca catctgaagg 300  
 catcactcat gagtctctg cagccattac accacaacac aatgggatag 350

<210> 11286  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 11286  
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 gctccaaact cgaaagtgga ggacacatga acaaccctaa gcaataatat tcatgtggct 180  
 ccgaaaaagg atgagaatgg aggattgcct tgagggtcct ctcttaggca atcatggaac 240  
 acagctccaa actcgaaaac ggaggacaca tgaatgaaac cgcaattcat tcacgtggct 300  
 ccggaacagg atgagaatgg aggattgcct tgagg 335

<210> 11287  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<400> 11287  
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 aaagttaatga ccatttgaat ttctcgagag ctacctttgt tcaatttcgt gcgtctcgat 120  
 atattatgcy cctgaatcgg acctccgagt gaaaagatat gaccattgga atttctcgag 180  
 agcttccgtt gttcaatttt gagagtctcg atatattatg cgcattgaatc tgacctccga 240  
 gttaaaagtt atgaccattt gaatttcttg agagcttccg ttgttcaatt ttgagcgtct 300  
 cgatatatta tgcgcctgaa tcggacctcc gagtgaag 338

<210> 11288  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<400> 11288

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 atcttaagaa ggggggagag attgaattaa gatattccaa actacttccc caaataaaaa 180  
 tctatttcac tttttattca agttataaat tcccttaaca atgaacttct taaatattga 240  
 ttcaaataaa acaatttgaa tatgaatgta aagcaataat aaataaagga gtttaaggga 300  
 agagaaagtg caaactcaga tttatactgg ttcggccaca 340

<210> 11289  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 11289  
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 aaaatctttt gaaattgagt gtgatgttc aaatgttggg attggggctg cgttgatgca 120  
 agaaggccat ccaattgtct attttagtga aaagttaagt ggtcctaccc ttaactatcc 180  
 aacttatgat aaggagttgt atgccttagt acgggctttg aaaacatggc aacactacct 240  
 ttatcccaag gaatttgtca ttcatagtga ccatgagtc ctaaaatata tcaaggggca 300  
 aggcaagctt aacaaaaggc atgcgaagtg ggtggaatt 339

<210> 11290  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<400> 11290  
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 attacgggac tcaatcggac atcagagtaa aaagtatttg ttgtttgaat ttgctcagag 180  
 cttcgttatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240  
 aaaagttatt gtcgtttgaa tttgctcaga gcttcggtat tccatttcga gcgtctcgat 300  
 atattaccag actcaatcag acatccgagt aaaaag 336

<210> 11291  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 11291

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 atctagtgtg gaaaatgttt tctctttgac tttctctcat tgacttcaat tgatggccaa 180  
 gtaaccgcct aatcatcaac aattctcctt ccggtgtttt ctccacttcc tctcactctt 240  
 cttctcctt ttcaacttgc gactcactaa tttactctcc atctctaaga atcatggcctt 300  
 tcttggttagg gcactcatat gcataatgtc 330

<210> 11292  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<400> 11292

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 ttttgatgca gatggaggag ccttggtattt gaggacaaat ccttttcaag aaggagggag 180  
 tgatgaggac atttgataaa atttggtgag agtttctctc tgggttctct gttgaaccaa 240  
 ttatcagact tatcaaggta atccttgttg cgtctaccca gacttatctt ccttcattgg 300  
 aagtggcgtc taccgggact tatcttctct caccggaagt ggcgtctc 347

<210> 11293  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<400> 11293

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 tacttgagac ttgtaagggt tttaaagtca gggatagctc cagagattga attgttttgg 180  
 agatacaacc aggtgagtct actaagattc tgaaaggtag ttggaatact gccagagaag 240

ttgtagagg aaatatccaa tgctatgagt ttggtgaga tagaggaagg gattaggcct 300  
 gagaagttat tctgctgcag gttacatat tggagtgaag gaatggagag aa 352

<210> 11294  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 11294  
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 ttgcttttt agacatgact cttgcttcaa taacatggtt tgctagtctt gtaaccacca 120  
 acctagtacc attgcataac ccttgtgatt gatacatgtt ccttaaaaagc attattgggg 180  
 taccacctt tagttttatc ttatgattag gaagaccaa tgttctcaaa ctattgagaa 240  
 attcacttgt gaccacttca agtgcatttc attcaacat ttttgacttg tcaattgaat 300  
 aagaacttag atattccctt tgatcacctg aaaac 335

<210> 11295  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<400> 11295  
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 gatcaatctg tatgtgcttt gttcgatcgt gttgaactag attgtgtgca atgctaattg 120  
 cagacttatt atcacaaacc agtcccataa gagcttcata ttttattttg aggtcatcga 180  
 gtatgacctt catccataac aactcacaaa caccttgagc catagctatg aattctactt 240  
 ttgcaactga tcttgcaacc acattttgct tcttactcat ccacgttact aaatttccac 300  
 ccaagaacat gcaatatctt gtggtagatc tctattaac aattgatc 348

<210> 11296  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<400> 11296  
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gaatgagggga gagggagaaa gagagagagt ggcgtggaaa ttgaaggaga atatgaagtg 120  
 atgcaatcct atccccaag aagattggac caaagatgca agagaaggcc ctatgattct 180  
 cataagcctt agggtagatt ttgggcccat yggctaagca taagcccact tatctttgta 240  
 catattaaat taagatttca ttatttttgg gccttgatt tagggctcca taatgtaggt 300  
 cgggtaccct agaaatgtag gatttttcag cctttgtatt ttatggc 347

<210> 11297  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<400> 11297  
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 aggtggagaa atctacacc aaggaagaca atggtgtggc tgattttgaa ccaactcatc 120  
 agcctattca gaatctgaat attgatgttc aaaatgatgt tgggtgtccaa caacctaaag 180  
 atgaagtata tgttctctgt gatgatgaag aagaggagca tgacatgtca caagatgaaa 240  
 atcttggtga tgctactgaa ccacctcaag ttcaactcag gaggtccaac aaggagagac 300  
 aaccttctat gaagtattct tttaatgagt atgtgatcct aatagatgaa ggagaacctg 360  
 attactttag agaggccatg gaaagtgaag aatagaaaaa gtagctagat gtaatcaagt 420  
 ttgaagcttg ttggg 435

<210> 11298  
 <211> 540  
 <212> DNA  
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<400> 11298  
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 aatcaccatt aaaggacctc attgaagctc aaagatccag cttccataga agccccacaa 180  
 gcaagcttcc ataaaaaagc aagagaaaaag agtaaagaaa tagcttcaga tgagggaaaa 240  
 gaagtgtcat accctttggg accttccaag aaagataagg aacgccacct ggcgagattc 300  
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gcactctact caaagttttt aaaagacatg ttgacaagga agcacaagta cattcaccaa 420  
 gaaaatataa ttgtggaggg taattgcagt gctgtgattc aaaaaattct tccaccaaag 480  
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<210> 11299  
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 <212> DNA  
 <213> Glycine max

<400> 11299  
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 tgacttttct ccatagactt caatagatgg ccaagtaacc gccaaatcat caacaattct 180  
 ccttcagtg ttttcttcac ttctctctca taatctctac tctcttctcc ctttttaact 240  
 tcagactcac taatgtactc tccatctcta agaattatgg ctttcttggt agggcactca 300  
 tatg 304

<210> 11300  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<400> 11300  
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 agatgagttt agaaaaagct cagcaccata ggaggctatg gataagagct ttgaggaaga 180  
 aggagggtgaa tgaagggaga ggaagagaag agcacaaaat tttgtgctct aaaagagctt 240  
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 tatttatagc ctaagtgtca cacaaaattg gagggaaatt tgaatttcta tttcaaattt 360  
 cacttgaat tgaaattgaa tttgtggagc caaatttttg agccaaaatt tcactaatta 420  
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<210> 11301  
 <211> 415

<212> DNA  
 <213> Glycine max

<400> 11301

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aaagctggaa taagtccttg aaaaaataaa gtagtcata acttatgtca ttaactgcaa 120
ttaaataccct aacttatgat aataattgca aatcatttca tgtcatacct tttgcatgtc 180
tgacatgaaa ttccacccat tctgtacata atccccaaga tctttatgca acaaagttaa 240
aaaacatttc caattttctt tgttctccac gtctaccaca acataagcaa taacaacgat 300
gtggttatta gcatcaacce caacagtaaa gagcaagttt cctccaaatg cactttttag 360
gaaacatcca tctagaccta tgaatggtct acatccagca acaaaccctt tttta 415

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<210> 11302  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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tcaagaacaa gctcaccacc ataagaagcc atggataaga gcttgaaggt aggagaagat 180
gagtggaggg agaaggagag aaggagcacg aaatttagtt cctcaaatga ggtatgaact 240
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tagcctaagt gtcacacaaa attgtaggga aatttgaatt tctattcaaa ttctacttga 360
atattgaaatt gaatttgtgg agccaaaatt tcaactaatta tgattagtga attntagtta 420
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<210> 11303  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<400> 11303

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 acttgcacat gaacattggt gaaattgaca atgcttgac tggctagtga gagaggatga 180  
 cagatgacta gctggtgaca catatcctta gatacttgcc tattagattt gccgtgagag 240  
 tcaactgcgat agatgaggcc caagacattt ctacttgaga gtggatgaac taattgtttc 300  
 cctactaacc tttgagctaa gaccttcgga tggggctgaa cacaagag 348

<210> 11304  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<400> 11304

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 gaccatggat cctagcttca aggtcttgaa agatgaatag actgagaggg agagaggggc 180  
 gcaccttact tgagacttga catacttacc aactttt 217

<210> 11305  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 11305

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 gactcagaaa gtatacttcg acgtgagtat tggaaatcca gttgggaagt ttgtgggacg 180  
 gattgtgatt ggactgtacg gcgacgatgt cccccaaacg gctgagaact tccgtgccct 240  
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 tttcatgatt caaggaggag actttgacaa aggaa 335

<210> 11306  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11306



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gaatatgcga atgtaagttg tcaactcaatg ccttcatect cacaaaatct ttcaaactca 180  
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tcatgtgatg gcatactcat tgggtctacat gct 393

<210> 11307  
<211> 466  
<212> DNA  
<213> Glycine max

<400> 11307  
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ggaagagaga gaggagacgc tacttcaagg agaagatgag tctagaagaa gctcaccacc 180  
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attagagggg aattcaaatt tcaacttgaat ttgaaattga atttgtggag ccaaaatttc 420  
actaattatg attagtgaat tttaattatg gttcagcccc actaat 466

<210> 11308  
<211> 556  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11308

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gaggagtaac acggaaggat gcttcagagt cgattatcca tatacaatca ttaaatacaa 180

tatttaaata attttcatta ctgataagaa aaacattctc atcgtctgat gccacagcag 240  
tagtggttcc accttcattc tttttctttg ggtcaatttg attagcatgg acagttccag 300  
ccttctgac tctcttcaag aatctgcagt taaacttctt atggcccaac tttgcagtag 360  
tagcaactca agcctttggg acgagacttg gatcttcttc gtgatttccc atggccttct 420  
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<210> 11309  
<211> 468  
<212> DNA  
<213> Glycine max

<400> 11309  
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gctaagcagc aacatcatcc aaatctgtgt catgatccgc acccgtctcc ctgccacact 300  
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<210> 11310  
<211> 382  
<212> DNA  
<213> Glycine max

<400> 11310  
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catgcatgcc ctaatgattg catattgtgc aaaaattagt ttgcaaaaat gcggcagcgc 180  
cccacgtgta gggcatcaca atacaaagtg caacatgatg aattaagtga tgatgcaact 240

accacaaatt ggggtcctgc aaaggtccac tgatatcttc gcgtaatacc acgggtttaag 300  
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<210> 11311  
 <211> 554  
 <212> DNA  
 <213> Glycine max

<400> 11311  
 tgtatgtgga taacatactt atttttgga catgcaatga tatagttttt aaaactaaat 60  
 atttattagc atctaaattt gatatgaaag acatgggtga agcaagggtt aatttcggag 120  
 ttaaaattaa aaggaaggga gatagtatat tactatccta tgagcattat gttgagaaac 180  
 ttctcaagaa gtataaatat tatgacttta agtcagtga tacccttatt gatgctaact 240  
 ctcaattaaa gaaaaacata tgaaaactaa ttgctgaaac tcaatatgcc caaatcatta 300  
 ggagcttatt gcatttgatg aacttttcta gatctgatat tgcatacgca acaggcagat 360  
 tgagtagata tacccataat ccaaatcaga accattggga tgcacttgct agactcatga 420  
 gatctctggg aggtaccatg gattatgcta ttaatacagt ggatttccca cagtactoga 480  
 agggatatagc gatgctaact gggctctctga ttcagatgag agaagatcca ttagtgctta 540  
 tgtgtttact cttg 554

<210> 11312  
 <211> 558  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11312  
 gcttgaggca tctacctctt gaagaggcag aggtaagggc atagggataa gttttatagg 60  
 tagaggacgg ggagatcaaa cactattaga aaatacactt tcaacatcgg ttatttgggg 120  
 ccttctacat cggttgtaaa accgatgttg aaagcatcga tgttgaaatgt attgttgcta 180  
 acatcggttt taaaaactga tgtaacata aaaatattaa catcagtttt ataaataacc 240  
 gatgttataa agaaagaagt acaacaaaat aagtgtatgc gtgagggacg ttggcatcag 300  
 ttttctgtaa aaaccgatgt gaatatgtta tattaacatc agttttttaga ggaaaccgat 360

gtgaacgttc atcattcatg cacctatttt gctatagtaa tttatgtata acattgggta 420  
 ttataaata accgatgtta ttgcatacag tttaacatcg gttatntata aataatcgat 480  
 gttaacctat gtacattaac atcgggttgg tataaataac cgatgttaac ctatgtacat 540  
 taacatcggc tgtttata 558

<210> 11313  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<400> 11313

actaagctta agaataatgg cctcagcaaa cttcttatto cctgaaggaa attcattaaa 60  
 taggcctcct atttttaatg gagagggtta ccactactgg aaaacccgaa tgcaaatttt 120  
 cattaagcca atagacttaa acattttgga agccatataa gttggacctt acataccac 180  
 catggtgact ggaaatgcaa caatagagaa acctacagaa gagtggactg aagatgaaag 240  
 aagattattg tagtacaatt taaaggccaa aatcatcatt acttctgccc taggaatgga 300  
 tgaatatatt atggtttcaa ataataggag tgctaaggat atgtgggaca ctctacaagt 360  
 tacacatgag ggaacaactg atgtcaaacy atatacgata gatactttac ctcatg 416

<210> 11314  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<400> 11314

tgcccccaa gtcacaaagt tctttccgca cctacacaaa aaacatctta attcttatct 60  
 cattaaatac aaaaaaaaaa aaaaaaaaaa ccattaaact aaaactcaaa aatgcaatca 120  
 aataaataca tacttcaaca agacgggctt tgctagcctt gtctttctct tctccagag 180  
 catgaagttc cacttctagc tgcattctct tctttcaag gttatcaatt tctcaggct 240  
 gactatcaag ttgaacccta acatttgac aagcctcgtc aaccaaatac attgccttgt 300  
 caggaagatg acgcctgaa caatcacaaa aatataagc acacatcaca ctaacaaaac 360  
 cacaagcttt caaaacaac gcacacacac caaaagagta cagattccat accagttata 420  
 taccggttag acaattgagc tgccataacc aaagcacggt cctgaattct aacaccgtga 480

<210> 11315  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<400> 11315

agcttgctcg accttcaaca gatgatttga acacaatact tccatttcca gatgctttaa 60  
 gaagaggata agcaagttgg ctcaaattgg atgcagaatc caagttagtt gccattaatt 120  
 ttgaatatcc ttccgctgta tactcaattg ttggtttcc taccatttgg ccaacattgt 180  
 ttaccta 187

<210> 11316  
 <211> 661  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11316

gctttggggc agtggaatgg actacaaccc ttatgggtgtg gactacgggt tatgttgtat 60  
 tttgtcatga ccaacatcga aagctgccac tattcagaag ggatgtcatc atttttccat 120  
 ggctcgtactg gttaccatag tcatgatgaa tgtaccaaga ctatgatcaa gtgacagagt 180  
 ctttaagtct ttatatataa gtggatattt ntactctttt cacttaattg agtagttata 240  
 cttcagcaag acaaaaactag cacccaaaca cgagttttgc taagaaaatg catgcaactg 300  
 gcataaaaagc tcacaaaata tcaactgtaaa tgtggtttat caatcatcat tcaaagatct 360  
 tgtgtctggc attaatgat gatgactgaa tcattgcaat ggaagaagaa cttcaccggt 420  
 tcacaaaaaa tgatgcctgg acactgttcc ccaatcctga gaatanaagc attatntgaa 480  
 caagatgagt attcaaaaat aagctagatg aacangggta ggtagtaaga aacaaagcta 540  
 ggtagtagc ttaagtctat aaccaaccag aatctatnaa gttcacagaa acctttgatc 600  
 cctatactag acttgaagat ataagaatcg tgcttccctt tgcttgccca taaaatataa 660  
 a 661

<210> 11317

<211> 443  
 <212> DNA  
 <213> Glycine max

<400> 11317

gaaactctat tcacaagacg attaaaatca gattgttcga tgttactccc ctaacaaggg 60  
 aatacccagg taatgtccca cggaagtaac ttcagaaaag ccactcattt ggaccaactg 120  
 tcttctacta ctatgactga cattctttga aaagaatata ctagctttct ctgggctaata 180  
 atgtgtgacct aacatctctc caaacaatg catagtgtcc aaagtacatt tcatatgctt 240  
 agtagaagcc tgaccacaca ataataagtc atccgcaaac atgaagtgcg agatgagggg 300  
 gccctttctt cccatacaaa aaggtttcca agcttccact gctttcaaga taatgtggga 360  
 gagtttgctc atacctaaca caaagaggta aggtaatagc acatcacctt tgcgcaaccc 420  
 cttattagga gcaaacatgg gag 443

<210> 11318  
 <211> 565  
 <212> DNA  
 <213> Glycine max

<400> 11318

agcttgtaaa gcaggttatg cgcacgccta attataagta atttttataa agacaaatgt 60  
 tataaaaagt gaggtgaat tatgatttta gaagaagaaa gattgaagcc tttttttgag 120  
 gaaaaaaagt taacgtgtta aagaaaaact ttgtagaaa aataataaat ttttacaaaa 180  
 acttgtttag acaatgaaaa tagatttcgc aaaacataaa ggattttcaa gatgaaatga 240  
 aattcaaac cctatattaa tttaaagcaa aagataaata cactaaagac atatgagata 300  
 taaagaatta tactagttaa tctttaccac taaggctatg tttaagtttt gattaatcac 360  
 taagtttcac taacttatca caaatacaag gtttacgtca cagtcatttc tgcgtctaca 420  
 gatcaagatt tacctaagt ttgttacaac tcaatatttt ttgtcccaa aggttctatt 480  
 tgactctatg caaatcagaa agatttggtg attggttaca cgacgactaa ctcttatttc 540  
 ggcttaataa atggatctgt atttt 565

<210> 11319  
 <211> 363  
 <212> DNA

<213> Glycine max  
 <400> 11319

tycggcacac cagactgcct caaaacctca atgtttggaa ccaagttcat tgtgtcacca 60  
 tatgtaaaac caaatcgga atttgttata gctctaacaa ctctctgac atcaccaagt 120  
 acacgtctga ggatctcata acgtgggatg aagaatTTTT tcaagctcct gttcaaggta 180  
 tggttagcaa ttaaaatctt acgcatatca gtgttgaaa gcccaataga acggaagaac 240  
 ttgagtttag gcaaaagggt attctctgca tccgcaacaa gcaccaagg gtgtttctcc 300  
 acaagtttgg caagatgggt tttggtgaag ccatacttgt tgagacgac aataacagca 360  
 ttt 363

<210> 11320  
 <211> 543  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11320

tygagacaaa atcatgaaat ttgggtggtg ccaatgcttt ggtgagaaaa tctgccactt 60  
 gatcacttgt tgaaactggt agtagcttta gagtgccctt caaaagcttc tctcgacaa 120  
 gatggcaatc aatttccaag tgttttgtgc gttcgtgaaa aaccggattt gaggcaatgt 180  
 gyactgcgtt ttggttgta cagtaaagag ttggagttct ggtaagctga actctcaaat 240  
 ctgcaaaaag atacaacagc cattgcaact cacaagcagt tgaagacaga gcctgtact 300  
 ctgcttctga agatgatctg gacacagttg cttgcttttt agcacgccat gacactaaag 360  
 attgcctat gaagaacaa tatccagata tggattttct agaatccata cagcctgccc 420  
 aatcagcatc tgaataacct ataagttgca tttctgaagt tctgctaaag aaaatacctt 480  
 ggcttggtt gttcttcaa tacctcaata ctctacatgc tgcattngaa tgaacatttg 540  
 tgg 543

<210> 11321  
 <211> 592  
 <212> DNA  
 <213> Glycine max

<400> 11321

tactaagctt ataacatcaa acttggagaa agagtctctg gggccaagac atgttaagtt 60  
gtcaagtata atgttacttc cttcactaaa gcggtgatcc atctccacac atattgtatc 120  
aatagcaaca taaaaaatct ctgcacggta atgatgaaga ttagtgatag tcttcccttc 180  
tgctcttgaa cgaccccgaa ctgggtatttc gtcattccata tttggtacca gaatactttt 240  
agcaacacaa aatccttgga catcggtcaaa aaaattattc cagccactct ctcattgtgc 300  
ccaaccgagc tttgacaaca tcaactaatt ccatggcatt cacaatatta agatcttttc 360  
tttgcaatat atttgaaagc tcgtttgtga taccaaacia ctgtaacatt aacctcaaaa 420  
taaaagcaaa tttaaagctc ttccattttt ctatcagacc tgctgcttga gatgggccac 480  
gttcattctc atcaaccata ctaagcacct ttacacgga ggaccacata tgatccagac 540  
gaagcaatgt agtatgatgt gaaccccatc tagtatcccc gggcttagtg ag 592

<210> 11322  
<211> 545  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11322

tcaagaatca agtttcaaat aatcaagatt caagaataat caagtctcaa gattcaatag 60  
agtttcaaga atcaagattc aagaacaatc aagatcaaga ttcaagaatc aagagaagac 120  
ttaatcaaga taagtactag attttttttt caaaacattg agtagcacia gaatttttca 180  
caaaatcttt taccaaagag ttttactctc tggtaatcga ttacaaaaag gtagtaatcg 240  
attaccagta gccagcattg ttttcaaaac tgatttacia agccataatt gattaccata 300  
atcatgtaat cgattaccaa tgttttataa tgtagattt ccaatttcaa gagtcacaac 360  
tagtgataaa acattttcaa atcattttta acttgtggaa tcaattacca atgtttctaa 420  
acattgtgat tttcaaattt aaacatgaag agtcacatct tttgatgtgt aattgactac 480  
actataatgg taatcgatta ccagtgactg atttcgaaaa ataaatntcc aaaagtcaca 540  
attct 545

<210> 11323  
<211> 597  
<212> DNA



<213> Glycine max

<223> unsure at all n locations

<400> 11323

taagcttatt gagttttaca cactctccac tgttggtcct caatttattg ttaattatat 60  
aatcagaata atgactcatc atatgagtag ttggacctgt aaaatttgtg atttttaaga 120  
aatttgagcc aacaaaaaag agtgttcaag agaatgtgtt agagacagtg ttgctaccat 180  
ttctctgttt aggaatggtg tttgtagtta ttagtgaaaa tagaaaataa aaatactttc 240  
cttatgtcaa acaggcttct gcattactat ttttagtttt tacaacatta tgatagatca 300  
ttatatattt tttctttctc taaaacaaat gatttggtta ttgtcttggg gtgggtgtata 360  
taaaaaactga tcaacacatt ttacttttct ttttttgctt gtccattcca atgtacaaat 420  
gattggctta tgatgcaaca aaatctaat caggaactaa gtagctcttt taatataaaa 480  
catgtnttct ttacttttta cttttctaca acattcatgt ccccttnctt tgatgtctan 540  
gctgatgtgc tcngtgatat attgaagatc tatttgagaa tngtgatata atgctct 597

<210> 11324

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11324

tctatagaag gttcgttctt aatttctcta caattgcata acctctcaat gagctagtga 60  
agaagaatgt ggcatttaac tgggggtgaaa aacaagagca agcctttgct ntgcttanag 120  
aaaagcttac taaggcacct gttctagctc ttcttaactt ttctaaaact tttgagctag 180  
aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaagggtggg caccctattg 240  
cttatttttag tgaaaaactt catggtgcga cccttaacta cccacctat gataaagagc 300  
tntatgcctt aataagagca ctccgaactt gggaacatta ccttgtttcc aaggaatttg 360  
tcattcatag tgatcaacaa t 381

<210> 11325

<211> 473

<212> DNA

<213> Glycine max

<400> 11325

atttacaaca gtcattagaa attctaatta acatcttaca atgtgcaatc ggctacacat 60

gtatggtaat cgattaccag catttacaga acgtttttaa tcaaatttta aagcctgtaa 120

tcgattacac aaatcgggta atcgattacc ataggagctt ttcaaaaaat attttcaaga 180

gtcacatctg tccaataggt ttatgaatga ccatcaaagg tctatttata tgtgacttga 240

aacacgaagt tgcttagagt ttttcagaac aaaaagggtct tatcctctca aaagtaaaaa 300

tatcttatcc tcttaaaaaa tctttgggtca atacacttgc aattcaataa ggaattatct 360

tgagtgtccc atttgtcaat ctatcttttt caagagagat ttcttctttt ctttatctta 420

atttctgaaa aggtattaag agattgatga tctctttgtg aaagcaattt gac 473

<210> 11326  
 <211> 526  
 <212> DNA  
 <213> Glycine max

<400> 11326

agcttcacaa aagtttgtat ggtttgtttc aagcaccgag atagtggtag aagaagttta 60

atgagtttat gagcaactca ggattcaaca gatgtgacat ggaccattgc tgctatgtta 120

agaaatatac taatagttat gttatcctta tcatgtatgt tgatgacatg ttgattacag 180

gatctagtat ggcagaaatt aacaagttga agtagtagtt ggcagaaaac tttgaaatga 240

aggatcttgg tccatctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300

gaattttgaa gctatctcaa gagaaatata tacacaagtt gcttgacagg ttttatcttg 360

aagattctaa gaccatgaat accccttttg gatctcattt gaagttttca aagaagcaat 420

atttgcagac aaatgaagaa aaatgttaca tgtcaagagt accatattgca ttaacagttg 480

ggagtttgat gtatgctatg gtatgtacca tacctaacat agcaca 526

<210> 11327  
 <211> 581  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11327

aagcttgta aatgaatcac tgcatattgt gcagtcctta tcatccttca gaggaatgta 60

taagagagta ggcttgcaaa caagggtcca atttgacaa aagtgtaaaa ctacttatta 120  
 attagaattt tatgaatcat tgtttggaat attgaagaaa aaagacaacc tgacaaccag 180  
 ctgcccgtgaa ggaactaaaa tcatggcatc caacaagaac tctgcatgct tcttgcattg 240  
 atatcatcaa taacttgaat agctgcaaga ttgagaatct agtaagtata aggagctggt 300  
 aactaacttg catagctgga agactaagct cctcaggtag atgccatgct cgatctttct 360  
 cgaagggtga caaatgctct ggcccagaaa gcaaccgata gaagtattctg aatagtagtt 420  
 ccaataaact atcaattact gcatatggtc ataaacagaa caaaagaagt tccatgacaa 480  
 tgcattgaaa tgtagccaga ttcaagaagat ctaggatgaa ccttactgtg atactctcca 540  
 gtgtcactat ttattattan tatagagtag aatttcatgg a 581

<210> 11328  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<400> 11328  
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 cgaataaac attcccttct tgcgggtgaa aaacatctc gttatcgctg tagtctctta 120  
 gggctctgcc ggtgggtggtg ccggtgccgg tgccggcgaa gaggggaatcc acgtcggtga 180  
 gatactttgc ggatttataa gcgctgacta ttccgttgac ctgctgaacg attcgtaaga 240  
 ggcgcggtga tgctcggag ggggtaagtt tgagctcggg gattaatcgg gcgagtttgt 300  
 tgaggacgag gcaggggggtg aggcgctcga tccatcactg gcggaggacg gcgtgtgtct 360  
 agatgtggac tcttctacc gcgt 384

<210> 11329  
 <211> 546  
 <212> DNA  
 <213> Glycine max

<400> 11329  
 agcttcttac tgggtgttgt ttttacaatg tatcagctac cacattctct tttccttgct 60  
 tttactcgac gctaaagtcc agtcccatca gcttttcaag tccccaattc tgcattaaag 120  
 ttgttgaggg tttttctagc aagtgtttga gtgccttttg attagttttg atgataaagt 180

gttgccccag aaaataatgt tgccatttct tgactgcaaa caaaatggca ttgaacttct 240  
 ttccatatgc agacaaaagc tggatatttg gccccattgc ttgctgata taagctattg 300  
 gatgaccttg ttgaattaag acatccctaa tgccaattcc agaagcatct gtctccacag 360  
 taaagggttg accaaaaatca agtaaggcca gtataggggc tgagatcaag gctttctttt 420  
 gtggaagaaa agcccttttt gtgtcccatt ccacttgaag tcagtatttt ttctgaagca 480  
 actgtgtcaa aggttgagct atcttcccat aatttttgat aaatctcatc taaaattctg 540  
 ataacc 546

<210> 11330  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<400> 11330  
 ttgagccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtcatat 60  
 atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaagcgac aatatctttt 120  
 tactcggatg tctgattgag tcttgaata tatcgagacg ctcgaaattg aatgttgaag 180  
 ctctgagcaa attcaaagca cattaactgt tttctcggat gtctgattga gtctgtcat 240  
 atatcgagac gtcgaaatt gaatgttgaa gctctgagcc aattcaaagc acaataact 300  
 tttactcgga tgtctga 317

<210> 11331  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<400> 11331  
 gctctttcaa ctgcacaagc ctattgatat ttgcagagta ttcttgtgga accttcaccc 60  
 aacgaagaca ctgacaaaaa cttatcttct ccttcttggg caaaatatgg caggctggtg 120  
 gcaagtaaat tttcttccca tcagaccttg gatgcaactg tgatcgtata cccatatcag 180  
 ctatgacctg acgggtattc aagccatcct tcgtcttgcc ttgaatgtta aggagcatcc 240  
 caatcacact gtcacaaaca ttcttctcca catgcataac atcaatacaa tgtctaactg 300  
 caagatcaca ccagtactaa agatcaaaga aaatggacct cttcttccat atgcaactct 360

gactattatg cttcttttgg gtctatccaa atacagtatt catgtgtga acccattgat 420  
 atacctgctc acc 433

<210> 11332  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<400> 11332

tctctattgga taagattccc ttaaaactat tacttttact tcctataatc taacgggtaa 60  
 atttatacct tataacatat ttataaaatg aaaaaaatta caactattaa taaataatta 120  
 aagaatattt ttttaattta tgaatttttc tgtttattgt agtttaacac atgattaaaa 180  
 aattcctacc aatattcatt atcattgtat aaaacaaatc tactctttat catggaaaag 240  
 ataatagtgt ggaaaataaa aaa 263

<210> 11333  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<400> 11333

atggtgttat cgattacaat atattggtga tcaattacca gtgtatctga acgttgtaat 60  
 tcaaattcaa ttgtgaagag tcacatcttt tcataaaatg ctttgtgtga tggattacat 120  
 ggttttggta atcgattacc agtgacaagt tttgaataaa aagtcaagag atgtaactat 180  
 tccaatgggt tttaggttgt ctcaaggcta taactcttcc aatggttctc ttgaccagac 240  
 atgaagagtt tataaaagca agaccttgat tttcatttta taactttttc ataac 295

<210> 11334  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<400> 11334

agaatggtea taagctttca ctcgagggtt ctattcatgc gcataatata tcgagacaca 60  
 cgaaataaat caacagaagc tctctagaaa ttcaaatggt cataactttt cactcggagg 120  
 ttcgattcac gcgcataata tatcgagacg caccgaaactc aacaacggaa gctctcgaga 180

gattcaaatg gtcataacct ctcaactcaga tgtccgattc aggcgcataa tatatcgaga 240  
 cgcacgaaat tgaacaacag aagctctcga gagattcaaa tggtcataac ctttcaactcg 300  
 gaggttcgat acatgcgcac aatatatcga gacgcacgag attgatcaac agaagct 357

<210> 11335  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 11335  
 ctctctgaag gtggcagtc atgaggaatc tccttgggaa agacatcttt aaattcctgc 60  
 aataagggtt gaacactatg agaaacataa atagttaact gattagaatt atcaactctct 120  
 ctctcttggtg tatcaactctt ttcctcaggt gtatcaactct tctttttcgt attccattgt 180  
 ggcgctcac tatcttcttt ctcttggttca atttcgagcg tctcgatata ttatccgct 240  
 gaatctgacg tccgtgtgaa aagttatgac catttgaatt tctaaagagc tttccgttgt 300  
 caatttcgag cgtctcgata tattatgcgc ctgaatc 337

<210> 11336  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<400> 11336  
 aatgaagatg atcaaaaaag tattagtgga tttgtgtttt tcatggggaa tacgaccttc 60  
 acttggaagt aaaaaagtac tcgatagtca ctcttttgac ttgggaggca gaatacgtag 120  
 cagctacttc atgcgtttgt cctgtagtct ggcttaggaa tttgttaaaa gagttggaca 180  
 tgtcacaaga cgagcagacc aagacctttg tggataataa gtcaaccatt gctctagtaa 240  
 agaaccaggt gttccatgat cgaagcaaac atattgacac tcgttaccac tacataagat 300  
 agtgcatagc aagaaaggat gtacatccag aatatgtgaa gtctcgag 348

<210> 11337  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11337

tggtanaaga atgggttcag aacgctataa acctctttat gttacccttc ttgggtctact 60  
ctgggcttgc aatcatgccca gtcttggtga tgagggttac tcatatttca atcggggcctg 120  
gcttgacagc cccagggtgc tgaagctctga gcattatgct tgtatgggta acttgctcgc 180  
tcgctctgga cggtttgagc aagctgagga tttctctcac agtgtacctc ttgacctggt 240  
acttggaatt tggaaggcat tgcttgcgag gtgtcaaacc cactctaacc tgaagttggg 300  
agagctggca acaagaaaga ttctggctct ggatcctgat gatgtatcgt catatgtgat 360  
gttgtcagat gtcattctg caacaggtaa gtggtcagat gtggcaaccg taatgact 418

<210> 11338

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11338

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tactaaggaa tcacatctag aaagcttagc aaaagggtgt ttaatcgtgt tatcaataga 120  
tactaaatgc ctttcaacaa gatttgctca tcattttctg ctcaaaatnt gtacaaatac 180  
acttcattgt cagtctcaga taaataaata ggtgctattc tatgttaaatt gttatatcat 240  
atataaaaa atcaatatnt tctctgtaat attaagttat tctgattcac tatectaaag 300  
aagcgttgat gacttatagt ggtaaacaaa ccaaatgaaa ttattttcac atgatctaca 360  
gttccctttt taaaacaata tgaaaatcta attcttaaac agataaaggt tggtagccttg 420  
acataactat ggatttcacc tctcatttga tggcatagaa cttgagaatt ttataaaga 480  
acttct 486

<210> 11339

<211> 454

<212> DNA

<213> Glycine max

<400> 11339

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gggattttga ttgggtattt ctctcacttt tagtcaaagt tcataaaaaa taatttgact 120

ttgaaaaaaa aggaaaatat gaataaatat ttaatgtgtc aaagatttaa aatatatact 180  
 ggttcaagtt ttaaccatta aatatttatt tactacacat atttgatatt attaaaaagt 240  
 caatgaagtg aataattcat aattacaaat aattttcatg aaattaatat aactagtatt 300  
 ttgacctatg gattaaatta tactttatat ctataaaaaa aaataaattg caatataata 360  
 ttacttttaa ttattggtgg ttttttaaaa atattaaaaa ttatttatag agaatttaaa 420  
 ggataaggat aaaatgatag ttgagatata ttct 454

<210> 11340  
 <211> 413  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11340

tagcatccaa tatctgctcg ggagtatccg ctcttactgg agctctatga acccatttca 60  
 ccaaattctac accttcacca aaatcctcat caactggtag tctagtgtga aggatatgca 120  
 gcagaacaac accatagcta taaacatttc ctggtgctgt gacttgcata gtatatgcatt 180  
 attctgcatt acagaagaaa tgtcacatga agcatgctaa acataataaa agttaagagt 240  
 ttaattttta tgcaatgtca gtataatttt tttaccctc tcaatcaatt aaaaatcatc 300  
 attatggttt ttaacgtaat attgtaaaat caacanacta accatacatg acgattttgtg 360  
 attattagat gatagtgtan agactatnta ctatanagag taatacgaag aat 413

<210> 11341  
 <211> 506  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11341

cgtcttctac aaataaatca naatcgatcc tetaatcttc aaagcccatt tctagtttct 60  
 ttcttcccat gtcaactaca cagcttgacg ttaacataaa tggctctccc aagattaagg 120  
 gaatgtcatt atcttcacag atatcatta caacaaagtc tgctgggaag ataaaaatgtt 180  
 ttactctgac caaaacatct tcaattactc catatggtat ggtaatggag cggtcagcca 240  
 actgtaaagt cattctagtg ggcgatgatt ccaactctcc cagtcttctg cacatggaga 300



gtggcatcag attgatactg gctcccaagt caatgagagc ttttccact gtgacttcac 360  
 ctattgacca aggaatggtc acactcccag ggtctttgtg cttcgggtgga aagattntct 420  
 ggatcaccgc actagcatta cctttcataa ctatattctn ctgggtgaatg tacttgtgct 480  
 tctttgtcaa catgtctttt aaaaac 506

<210> 11342  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<400> 11342  
 tgatgttcgt tagtcgtcat tggatgtcga gagtgtcatc ttgttggatt ctgagaagaa 60  
 gatcaataaa atcttgggtcc tctaattcag ctccatcttc ttttgcaatt ttgttctttt 120  
 cttgatgtct tctgatgatg ttttccagga ccttgtcaac ctgcttgtgc aacttcttca 180  
 atctgggtcat ctttccagtt aggaaatata agaatggaat tgaaggaaag acatcaacaa 240  
 ggtcgaatcc tcccccgat tctacgattt ttcggatcaa agacacaaca aactcatctt 300  
 gtcctttgta tatgccaccg aatgctaccc tggaaataga ggcacatatc aatgagaaaa 360  
 ttctactggt gagaatgata ggccaaccag cagattcgcg aatggagttg ataaactttg 420  
 ctgcctcgtc ttctctaatag ga 442

<210> 11343  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<400> 11343  
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 tacatttttc ttcttttct tctcatctcc ttttctatta aaaaagttgc ctgattttgt 120  
 tatataaatg caatttctct tttcatttta ccaaacttta tataaagata ttttatttgt 180  
 ttcaccagga catatttgcg gctggaactg atacttcaac atcaacacta aagtgggcta 240  
 tggccgaaat gatgagaaat ccccgagtga gggagaaagc accagctgaa ttgagacaag 300  
 cttttcgaga aaaagaaata attctgaaag tgatctaaag caacttactt atctgaagtt 360  
 ggtg 364

<210> 11344  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11344

aattgagtat tgtaatatat cgagacgctc gtaatggaaa agagaagcctt cgtataaaat 60  
 gcaaatcgca anaactttta actcggatga acgattgagt cccgtattat atcgagacac 120  
 tctatattga aagcagaagc tctgagcaaa ttcaaagcac aataactttt gactctgac 180  
 atccgattga gacattttatt aattcgagac gctcaaaatt gaatacggag agcgtctatg 240  
 gaaactccaa tgacaacaac ttttgactcc gatgtccgaa ttgagtccta ttataatttg 300  
 gaacgctcac aattg 315

<210> 11345  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<400> 11345

cgctacatt cagtcctcaa gcaacccact tgagattttc cactctctct ataaaactcc 60  
 ttttacaag tctgaaccac acagggacaa cccttccctt gtgttcaaga atcctctaca 120  
 acaagagact ctacgtctct taatcccttt tcacgagtag gaagaagaga ag 172

<210> 11346  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 11346

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 agaagaatgt ggcatatacc tgcggtggat aacaagagca agcctttgct gggctcaaag 120  
 aaaagcttac taaggcacct attgtagctc ttctgacta tgctaaaact tttgagctag 180  
 aatgtgatgc ctctggagtg tgacgtagag ctgaaatgtt acaatgtggg caccctattg 240  
 cttatagaag tgaaaaacta catggtgcca cccttaacta cccacctat gataaagagc 300

tatatgcctt aataagagca cttcgaactt gtgaacatta ccttggttac aggaatttgc 360  
 attcataatg atcataatac ttaagtcatt agaggaaaag ca 402

<210> 11347  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11347

atttgatgta tcatgttcgt ggtatTTTTTg catagcacct aacatccctc cattggtagg 60  
 tatctggcac caaagagcaa gcggttagct tctatgatca atcgcaaagt caataattgg 120  
 aaaaacaggc tatcacggat acgactgtta cttcctgcac ttcccataat ttcattttgg 180  
 aacgagcttt ttgataaagt aatgggaatt gtaggaagtc ttaccacgga aattaattaa 240  
 taatacttac taaatttcca taagcccaat aacctccaat ggcaagggga aacaaacaca 300  
 aggcgatgac tatgtaagca aacataacac ctttccacat ggccaagcgt gaggggtgct 360  
 tancatccga aggcgatggt cctacaatt ttgaggggga caatttagca acaataaatg 420  
 ctcttaactg tgtaaatgca gaacaaatgt ttgaccatgc aatactnta cgtacct 477

<210> 11348  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<400> 11348

gacctataaa actaagctaa cattggccaa gaaatcacta tttataataa aattgggttac 60  
 taaaatttaa aagcactctt ggagcttaat tatatacacg ttaataagta aaggctactc 120  
 accttgata atgatctcct tgtgtcaatt ggcgagact gaatgcactt gtctattaca 180  
 actggcaag gggtggttaa gtcactgcca tatatctcag gattaaagaa aatctgcaga 240  
 aatcatatgg aaagcataca gatatgttaa tatgactgat cctgttaaca ttatgacca 300  
 tactgaacct atggattagc tccacaatta gaccaaggca ctactatatg ttcattaatt 360  
 cttcagtagt ttaaggaaca agatcaagtg gaactaatag ctatacatag ata 413

<210> 11349  
 <211> 470

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11349

ctaagctttc tacaagggcc aacatcttct cctttgctct tngtgaacc tagtcctgaa 60  
acgcttcttg ctggacccgc catgatgagt ggcaccactc gttgggtctg acactgcctc 120  
catgtcctcc cttgaggact gggcccccacc actgcccctt gatctggagg ggagtgccag 180  
tgtgggcgat tgttgccctt gcacacggtg gtageccact tgetcccat tgtacgtgc 240  
ctacggcaac ggcgagtggg ggtagtcagg caccatgtac gtgtcattgg ggttctcctt 300  
acaatggaag tttctgtggc agttgcacac gaggcattat agcgcgtcca gggttccctc 360  
ctcgcaccaga ggcaagaact tgatgcatcc atcaagtgtg tggccgtcaa ttttgacgat 420  
gtggttcttg acgcactcat gatacttctc attgtcattg ttttttaaac 470

<210> 11350  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 11350  
tcttcccttg tcgggtacat gagcatatgc aatgctcttc tttgctctca agtgggcaac 60  
tctaggcttc actccacttc atgcttcttg tgggtttcga tctttgacat tctttgttgg 120  
ggagcgattg gacaaataaa ctgcacatgc aacagcttct ggccaaaata actttggcat 180  
atttttagcc ttcaacatac atctagtcac attatgaata gatctatgtt ttctcttcgg 240  
taccocattt tgttgtggag atctaggaac cgctagaggg cgacgaatcc catatttttc 300  
acaaaattca gtacattctc ttgatgtgaa ttcgtcacct ctatcggatc ttatagcttt 360  
gatcacatag ccactctcat cttgcactag agctttataa ttttacaagc tacaatgcct 420  
cagattttag tgtagaaata aaccaagtc ttttactata a 461

<210> 11351  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11351

ctaagctata gttattggag ggagaataan acaatccana atcaattgta cccttatgta 60  
acgaagaatt ctttttgcgg cctatagatg aggagaggtg ggagcctctg taaagcgaca 120  
cacaactccc accgcatata gaatatcggg ccttgatttg gttagatacc ttaaactccc 180  
cacaagactc ttgaagactg tggagtctac cttctctcct tcatcaaact ttgataactt 240  
caagccacct tccataggtg tgttcacggg attgcaatca agcatattaa attttctcaa 300  
cactttcttt gtgtagcttt cttgtgagac aaagatacca ttctcgttt gcttcacttc 360  
cattcccaag taatatgaca tgagtcctat atctgtcata tcaaattcac gagacatgga 420  
ctccttgaag tctttaaaca aa 442

<210> 11352  
<211> 251  
<212> DNA  
<213> Glycine max

<400> 11352  
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cacatcattt gatgtaactc aaagtcaaaa tgagctacta atgtcataat tattcgaaag 120  
gaatctttct tagatacagg agaacaattc tctgtgtaat caatttcttc tctttgagtg 180  
aaccatttg gcaacaagtt ttgccttatg tctctcaatg ctgctcactt cccattggcc 240  
tccttagtt t 251

<210> 11353  
<211> 420  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11353

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gagtaaaaag ttattgtagt ttgaatttgc tcanggcttc cgtattccat ttcgagcgtc 120  
tcgatatatt acgggactca atcggacatc cgaggaaaaa gttattgttg ttogaatttg 180  
ctcagagctt cagtattcca ttctgagcat ctcgatatat tacaggactc aatcagacat 240  
ccgagtaaat aggtattgtc gtttgaattt gctcagagct acaacattcc atttccagcg 300

tttcgatgta ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt 360  
 tgctcagagc ttctacaatc acttcgagct tttcgatata ttacggggact caatcagaca 420

<210> 11354  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11354

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 aattaaaatg gtttatgggc atttagaaga tcaaaataga aaaattgaac aagtatatca 120  
 taaactcccc aacagctagc actagtgtcc catagtattg ggaaatccca catagccggc 180  
 ctcaattatt gggatgtgat ttatatatct gttgggcaac ttcaacttaag ccatttgatt 240  
 ntaagaagga atctaaaatg gtatcaaagc ctaaagccca tttctgtcat tcccatagta 300  
 ttgggagggg gcaatataaa caaccaattc acatgccagg tgggggcaag aaacagaatt 360  
 gggtagtggg gataggat 378

<210> 11355  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11355

ttcgtggcg aaagcggctt ccgcggggcc gtgcattctg tgcttgacga tgtagacgt 60  
 tcccgtgcgc gagttgcgga tgccgttggc gcccaaacc ttgatgtcat ggacggcaat 120  
 ggccgtggcg accatggcgt ccaggatgcc ctcggggatt tccttgccgt tgccccagag 180  
 gatggccggg ttggtcacga ggtggccgac attgcgcacg aacatcancg aacggccatg 240  
 cagcttgacg ggcttgccat cggcgcccgt gtactcgcg tgggcgttca ggccgcgcgt 300  
 catgctcttg ccgccccttg cgaaggtttc ggtgagcgtg cccttgagga tgcccagcca 360  
 gttggcatag ccgaccacct tgtc 384

<210> 11356  
 <211> 460  
 <212> DNA

<213> Glycine max

<400> 11356

tatcgctgg aagctggcca gctggctgct gcaactcaaga gcggcgccac cacgggcctg 60  
aagaacaccg cccagttcgt cggctaccag ggtgatgccg cagcgccctc ttcggtgctg 120  
ctgtctcaaca acggcctgca catcgacatc cgcctcgaca agaccacggc catcggccag 180  
accgatgccg ccggcgtggc cgacgtggtg gtcgaagccg cctgtccac catcctggac 240  
ctggaagact ccgtggccgc cgtggatgcc gaagacaagg tggtcggcta tgccaactgg 300  
ctgggcatcc tcaagggcac gctcaccgaa accttcgaca gggcggaag agcatgacgc 360  
gcggcctgaa cgccgaccgc gactacacgc gcgccgatgg gcagcccgtc aagctgcatg 420  
gcccgctcgt gatgttcgtg cgcaatgtcg gccacctgat 460

<210> 11357

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11357

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tgcaatcacc accggtgcc aatcttgagt tagtaatttt cactcgagtt gattttccaa 120  
tgtgaattcc atctgtatta ggactatatg cagggtgaact aactctgaag ttgtgaaatg 180  
aaatgttctt gcatccaaaa acattcacat ganaatatnt gctatccttt gaagtatgtc 240  
ctgaattact gaattatcga caaagccaaa gccaaaatc tgtggaaaat attgccaaaa 300  
gtacataata gttaattnta cgaaaggtaa tgaaaatgca ttagtacata ctaatttcaa 360  
ta 362

<210> 11358

<211> 361

<212> DNA

<213> Glycine max

<400> 11358

aaaagccaaa tgaaatagct gaattcatgc acaattggga tgaaatttaa aattggcatc 60  
atccttgagg ctgctcatat ctctggaaaa gtactccaaa caaacacaa acaataaagg 120

ggagagagga ttcccttgtc taagacctg ctgccctttg aagtggccat aaatggatcc 180  
 attgactgtc acactaaagg aagtggaaga aacacattcc atgatccaag tacagaactg 240  
 ggctgggaag ccaatggact taagcatcca atccaagaat tcccagggaaa tggaatcata 300  
 agctttatgt aagtcaattt tcaagaggca tctcggagag gatcttttcc gtgcatattt 360  
 g 361

<210> 11359  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11359

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 atatgattct ttcattgcagc atgatgttca agaactaaat cgggttcttt gtgaaaaact 120  
 tgaagacaaa atgaaggatg ggcaagagtt ttggaatatt tgttcattgat tattcttgat 180  
 gggtgaccat atcaaatggt tgcttttgtt tattttgtctt caccggaactg ttgttgaggg 240  
 aaccatacaa aaattattttg aagggcacca tatgaattac atagaatgca tcaatgtaga 300  
 ctacaaatca actagaaaagg agtcatttta tggtaattcc ttatgcattg tgaattcaat 360  
 tatatgttnt ggtcttctctt gntatgtatt tctaatttaa gtttgcatac 410

<210> 11360  
 <211> 497  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11360

nnggctagcc caaatctgat atcttggggc agaacttctc atcctaaaga atgttatgtg 60  
 gttntatgtc aaaatgcaaa attcgagtgt tgcattctat atgcaagtat tccaagcctc 120  
 tagctatacc aattgcaatt tcatatataa tgtcccaact caagggtgca atggttacag 180  
 gtctctttct ataaatgagc ttgtcaaggg acccattgtg cataaattca tagatgagaa 240  
 ctctcttgcg gccttccaaa ctgaacccaa gaagagtgac aacattaata tgagaagttc 300  
 tactaatgct agcaacctcg ttcataaatt cttcaccatc ttttgttgat gcattcaata 360



ttntacagc cacaggagcg ccattgggta gctttccttt gtagacagag ccaaaaccac 420  
 cttgccccag tntactctt gaagtatttg cattntcttg acattgacaa ttatatcttt 480  
 tagaagtata caccatg 497

<210> 11361  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<400> 11361  
 atagggctcg cgttctaata tttttaaatc tagcttcac actcgcctt caatacaaaa 60  
 tcgatgttaa ccaagctatg taaacgttaa catcggtttt attccgatgt taacatttga 120  
 taagttaaca tcagtttgtc ataaaaatcga tggttaacgaa ctttcattaa gatcggtttt 180  
 ataaaaatcg atgttaatga agtcatgtta acatcggttt ttaaaaaccg atgttaacgt 240  
 aagtttggtt acatttgatt tttcccaat cgatg 275

<210> 11362  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<400> 11362  
 cccttcagat accttaatat ttgctctgcc actgtccagt gagaatcaa aggagcggcc 60  
 ataaataggc aaactttgtt gacaacaaaa cttatctcgg gtctagtaag gagagcatac 120  
 tgtaatgcac caactacata cctgtataag gctggatcat gaaaagcatc atcaccatgt 180  
 cgagacaact tgcagttgga taccattgga gaa 213

<210> 11363  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11363  
 tataaaacta agcttgaggc aaactggatg cggtggncat ctttgnacc ctgctggcct 60  
 cgaatcagaa atctgtacct gtcgaaggg tttgtgtct gtgctcctct actgaccacc 120

atacagacct ttgcccttcc atgcagcaac ctggagcaat tgagcagcct gaagcttatg 180  
 ctgcaaatat ttacaataga cctcctcaac ctgagcagca aatcaacca caacagaaca 240  
 attatgacct ttccagcaat agatacaacc ctggatagag gaatcacctt aacctcagat 300  
 ggtccagccc tcagcaacaa caacagcagc ct 332

<210> 11364  
 <211> 283  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11364

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 gtnatananc gagacgtctt aaattgaatg ttgaagctct gaccaaattc aaacgacgat 120  
 aactttttac tcggatgtct gattgagtcc cgtaatacat cgagacgctc gaaattgaat 180  
 gttgaagctc tcagccaatt caaacgacaa taacattnta ctccgatgtc tgattgagtc 240  
 ccgtaatata tcgagacgct caaaattgaa tgttgaagct ctc 283

<210> 11365  
 <211> 445  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11365

ntgatgcaac attcggagag gttaatgaaa caacgagatg atgcgctcta tgagagggtg 60  
 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120  
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttctccatt taaaggaaag 180  
 aatgatctgg aggcctactt ggagtgggag atgaaaatag accatgtttt ctcagtcaac 240  
 aactatgagg aagaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300  
 gtgtggtgga acaagctaca aaacgagaga gcaagaaatg aagagccaat ggttgataca 360  
 tggacggaga tgaaaaagat catgaagaag ccgtatgtgc cggctagtta ctcaacggac 420  
 ttgaaattca agctccaaaa actaa 445

<210> 11366

<211> 365  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11366

acctcgggata tcttaagaag ggggaggggg ctgaattaaa atatcaaaga ctattcccca 60  
 attaaaattt taactctctt tctaaattat taatgcactc ttaatatgaa ttactaaaaa 120  
 cacaattcaa aatataactt ctttaaagca aaagatatat gacaataaat aaaagaattt 180  
 taagggaagg gagaatacaa actcaanttt atactagggt ggccacaccc ctgtgcctac 240  
 gtacattccc caagcaaccc gcttgagagt tccactatct tggaatatcc ctttacaatg 300  
 tctgaccaca caaggacacc cttctttgtg tcagatacct tacacaagag acctcgtctt 360  
 tatca 365

<210> 11367  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<400> 11367

ccaaaaagtc ttaatgaggc gatgaacata ttgtgtacca tgggtctgga gtatcaaaaa 60  
 attgatgcat gtcttaatga tagcatactg cgtttatatg aatttgaaga aatgcctaaa 120  
 tgccgcgatg gtgggggtatc acggtacaaa gtgaacgatg atgaccacgg taacaatgat 180  
 gaaagcacia agaatcgcac ttaacaaagg tgctatagaa acttctctatc attccaacgt 240  
 taaagcgtct gtttgctaat ggagatgaca caaagaacct tacatggcat acatatggga 300  
 taaactgcga atggaatgca tcaccatccg actgattatt ctcaatggaa gattaatctg 360  
 ctgtattcca attcaag 377

<210> 11368  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11368

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ttatattaat aatttgtgta aataatattg tagagtgtta tagtatgatt ccaaaaaatta 120  
 ttaagtgttg gagtttgaga atattatggt taaatttcat gaacatgtgt atgttgtacc 180  
 ttatgaatat cattgggaat gttatgagat gggtgatgtg atgttatgag atgttaaagt 240  
 gtggacatga tattcgattg tgaataagtg gatgtgttaa catttgatgt tacattaatt 300  
 atatcgtgag ctatgaatta tacaataacc cgaccagtgt ttatgcgcag tgttaaagag 360  
 aaaatgtagg ttccaagtta ggaaccagtg ttaaattgta gcgcaattgt gttaaacaatg 420  
 tttgaaacaa gagtgtgag 439

<210> 11369  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11369

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 caattgtttg agttagaaga aatgaggatg aacgcctatg aatcattcaa gattttataag 120  
 cagaagataa aggcataatca tgataagaag ctacagagac agaacttcca actaggccaa 180  
 caagtcttgc ttttcaattt cggactcagg ctatttcctg gaaagctaaa gtcaaagtgg 240  
 tcaaggtcgt tcatgatcaa agaagtaaga ccctatgaag ctgtggaatt ggtggaccct 300  
 acgataagaa ccccgagaa aagatggatc gtcaatggac aatgcttaaa aattttaaat 360  
 ggaggccagt tagaaagata acaagtgttg ctacctgaac gatcataaat 410

<210> 11370  
 <211> 346  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11370

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 cagaatttac aagatgttat tgaagcatgt tgtttgatgc tgcaaatatt tggagctctt 120  
 cacgccttc aatctgttca ggtatgtggc cattaatgct gttcatttgt acatcaagag 180  
 atattagatg cttcaatttg ccaattccan agggatatgct tccatctaag tggcagtagc 240

ctagaggcag atagaattca agctaaccce actctgaagg gatggagcca gaaagagaat 300  
 ttgagacaaa tcaagtgttt gaagagaagt gaacacaaca cacagt 346

<210> 11371  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 11371  
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 ctatcttagt tggaaactat acctttaatc aagatgttgc taggatggaa ttgacaaaga 120  
 tgattgcatt gcatgaatac cctcttgcta tgggtgatga cattgggttt cgaaggtttt 180  
 gtaatgttgt ccaacctttg ttcaaagtaa tatcccgtaa tacattgaag ttggatatac 240  
 taaagttcta tgagagtgaaggggccaaaa ctatgaagct aattcaaaaa aattcaaggc 300  
 acctagctat aacaacagac atgtggactg caacgaatca aaacaaaggc tatatgacta 360  
 ttacaaccce ttctattgat aacaattgac atttgaaaag tgcacttatg aggtaaataa 420  
 tcattcactt gaaagttcta tgattctaatt ttat 454

<210> 11372  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11372  
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 taaaaactct ttctccttat atcaacacgg tctatataac aactctagtc ctgttcaaag 120  
 attttttttt cgttttttcaa catacacttn gtggttatac aaaaatttct ttatatacat 180  
 tcattgctca cacacaagaa ttctttttca cacattattt acacacacac acaaaatctt 240  
 tccatacact ttttacctat aaaaaactct ttctttttct ttataaatac gacatttggt 300  
 cacaatgcct ctttctttnt caattcttgg tgttatcatg attttt 346

<210> 11373  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations

<400>        11373

tgtngaanaat ataatcaatg caagacctct tgagagattt agtgaacatg tcttccagtt    60  
ggtcactaga gttgacaaac tcaatggtga gttttctga gagcatttc tctctcacia 120  
aatgacagtc ttctactgtg tttagtccat tcatggaaga ccggattaga tacaatgtgg 180  
agaacggcctt gattatcgca aataagattg gtggcttgag tgtctccaaa ttggaactgc 240  
tggagaagtt tcttagcca tgtaatttca cttgtagtgt caggcatggc acggtattca 300  
gcttcagcac tggatctagt gactataatt tgtttcttgc tccccatgg gatcaaat 360  
cttcaataa gaacacaata 380

<210>        11374

<211>        382

<212>        DNA

<213>        Glycine max

<223>        unsure at all n locations

<400>        11374

tcaacattca atttgagcgt ctengaatat tacgggtctc aatcagacat ccgagtaaaa    60  
atttattgtc gtttggattg gctcagagat ttatatatta atttcgagcg tctcaatata 120  
ttacgggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt agcttagagc 180  
ttcaacaatc aatttcgagc gtctcgatat atcacgagac tcaatcagac atccgagtaa 240  
aaagttattg tcgtttgaat tggctcacag cttcaacatt caatttcgag cgtctcgata 300  
tatgacagga ctcaatcaca catccgagta aaaagttaat gtcgtttgaa ttggctcaga 360  
ggttcaacat tcaatttcga gc 382

<210>        11375

<211>        155

<212>        DNA

<213>        Glycine max

<223>        unsure at all n locations

<400>        11375

ccgccagtgc gcgttggtac atctcttggt tatctatgtg gcgggtgtcta ttnattcagc    60  
ggaatagtga gtgcacttta tggccgcgaa aagagccaga gaggggcgca tgcgatata 120

tcgatgtttg atgccacgct gagttttctg gagct

155

<210> 11376  
<211> 115  
<212> DNA  
<213> Glycine max

<400> 11376

cgacatgcgc cccctctctgg ctcttttctgc ggccataaag agcactcact attccgctga 60

ataaatagac accgccgcat agatccgcaa gagatgtacc aacgcgcact ggcg 115

<210> 11377  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11377

agcaccgcag ctgcagcttt ctaatcgncg gaaggatgat tgagttatta aagcggcgac 60

gcctactgga gactattttt ctcccatggt tcaacttgagt gtaacttgta ttttcttcac 120

agatagggca tgcgatgatga cccctaacac tggaaccgct gagattccca tatgctggga 180

agtcattaat ggtacaaaaa agcattgcac gcatttcaaa cgtctccttg cgaaacgcat 240

caaacactac aacccccctcg tcccacaact ttctcaaate ttcaccaacg gacttagata 300

aacatcaatg tcatttctcg gctgtcttg gcccgatatc atcatagaca acatcatgt 359

<210> 11378  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11378

nttgcaagct agaatcattt attctatctc ttacagcctt tgggtgagtc tcgtccaggt 60

agacccgaag aaaactggcc tcaccgtgat aaaaaatgag aaggaggagc taattcctac 120

tcgggtgccg aacagttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180

aaaggaccat ttccactgc ccttcattga ccagatgctt gaacgcctgg catgtaaatc 240

tcactactgt ttcttgatg gtttttctag ttatatgcaa atcactattg ctccctgagga 300

tcattganaag accacattca cctacccctt cggcactttt tcttatanga ggaatgccttt 360  
ctgcctgtgc aatgccct 379

<210> 11379  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11379

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aatnatgacc tttcaagcaa cagatacaat ccaggttgga ggaatcatcc aaatttgaga 120  
tggacaagcc cttcactaca acaatagtct atccctcctt ttcagaatac cgctagtcca 180  
agcaagccat atgttcctcc tccaatgcag caacaacaac agcagcaaca acaagacaaa 240  
caagcaactg agggccctcc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc 300  
cagaatatgc aatttttagca agagacaaga gcctccattc agagtctgac aaatcagatg 360  
gggcagatgg ctactcagtc gaaccaagct tagtcccaaa attctgacaa cttgcgttca 420  
caaactgtgc agaatccgaa aaatgtgagt gtcatcacct 460

<210> 11380  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11380

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cccagttctg tacttggatc atggaatgtg tttcttcac ttcctttagt gtgtcagtca 120  
atggatccat ttatggtcac ttcaaagggc agcggggtct tagacaaggg gatcctctct 180  
ctccttatct atntgtgtc tggttggagt acttttccag agatatgagc agcctcaaag 240  
aagatgccaa ttttaaatac catcccaact gtgcaagaat tcaactatct cacttgtgct 300  
ttgcagaaga tattatgctt ctatctagag gagatatccc ttc 343

<210> 11381  
<211> 448  
<212> DNA



<213> Glycine max

<223> unsure at all n locations

<400> 11381

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tagtggacaa tgtagttgag ccttgcatct tgcataattca tgttactaag ttagcaccga 120  
taaagtaata gcttccacta gtgctttttc tttcaacttt atcaccaaca tagtcaacat 180  
cataatagct tgtaagtctg aaactttctc tttttttgaa cataagacca agattagaag 240  
ttccaattaa atatctacaa atatgtttaa ttttagtttag gtgaacttcc ctttgttctt 300  
tttgaaatct tgcacataga taaacattga acataatatc agaaatggat gcagtgagat 360  
agaccagtga gttgcatcca ctttttttga tccttgcca atccaaggta tgcattggtg 420  
tgcatggag tcttcatttc ttttcate 448

<210> 11382

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11382

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tcatttatca actacaataa cattctaaca tagaaccat catggatatt taaagcgtaa 120  
aatttgaaag aaatttcctt tctcaattta atcaaaatat catttgaagt atcacaacaa 180  
atttctgatg aagcctagac ggtcaaacca tcaatttgaa atatgattca tcttaataaa 240  
tatgttcggt aatttccaaa caaatgagaa ctatgaaaaa tctaagctca taagaaaata 300  
taaacaagtg tgatcaaaat ttatgatttt caataaattt caatcaatat taaagtgtgt 360  
tccaaaaaat atattaaaga atgtgttatt aacatttttc tataacagaa atataatcac 420  
caacaatctn caatagtttg tccccactgg ctctaagtec tccat 465

<210> 11383

<211> 373

<212> DNA

<213> Glycine max

<400> 11383

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tagtggacaa tgtagttgag ccttgcatct tgcattattca tgttactaag ttagcaccca 120  
taaagtaata gcttccacta gtgctttttc tttcaacttt atcaccaaca tagtcaacat 180  
cataatagct tgtaagtctg aaactttctc ttcttttgaa cataagacca agattagaag 240  
ttccaattaa atatctacaa atatgtttaa ttttagtttag gtgaacttcc ctttgtttct 300  
tttgaaatct tgcacataga taaacattga acataatata agaaatggat gcagtgagat 360  
agaccagtga gtt 373

<210> 11384  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11384

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acataaaaag ggaaaaggta atattgtagc cgatgctctt tctcggcgctc atgcattact 120  
ttctatgcta gaaacaaaat tgattggtct tgaatgtttg aaaagcatgt atgaaaatga 180  
tgaaactttt ggagatatatt ttaaaaattg tgaaaaattt tcagaanaatg gtttcttttag 240  
acatgaaagc tttcttttca aagaaaacaa attgtgtgtg cctaaatgtt ctactagaaa 300  
tntgcttggt tgtagaagcac atgaaggaag tttaatggtg catttttggtg tccaaaagac 360  
tctaaaaaca ttacaagaac atttttattt gcctcata 398

<210> 11385  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11385

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tcttaattaa aaatctatct tactttttac ttaagttatg aattccetta atgacaatct 120  
tcttaaatat taattcaaat gaagcaactt gaattatgaa tataaagcaa taataataa 180  
aggagattaa gggaagagaa aatgcaaaact cagttttata ctgggttcggc cacacccttg 240

tgctacgtc cagtccecaaa gcaaccgcgt tgagagtcc actaacttgt aaattccttt 300  
 tacaagttct aaacacacaaa ggacaaccct tcctttgtgt tta 343

<210> 11386  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11386

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 ggcggtaatg acggaccgag gcagaaccgg gttgaggagg taaagctcaa tgttctctcc 120  
 ttcaaaggta gaagtgatcc agatgcctac ctggactggg aaatgaagac tgagcacgta 180  
 ttgacctgca atgactacac tgatgcgcag aaagtcaagc tagcagcagc tgaattctcc 240  
 gactatgccc ttgtttggtg gcataaatat caaagagaaa tgttgagaga ggaacggcga 300  
 gaggtagata catggactga gatgaaaagg gtgatgagaa aaaggatatgt gccactagc 360  
 tataacaaaa ccatgcgaca gaaac 385

<210> 11387  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11387

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 aggcgcctga nattgaacag cggaagctcc cgagaaattc gaatggatcat aacatttcac 120  
 tcggatgtct gattcgtgga cataatatat cgagacgctc aaaattgaac agcgggaagct 180  
 ctcgagagat ttgaatggtc atacctttac acacggatgt ccgattcggg gatataatat 240  
 atcgagactc tcgaaataga acaatggaag cgctcgagaa attcgaaatg tcataacatc 300  
 tcacacggat gtctgattcg tggacataat atatcgagac gctcgaacat gaacacggga 360  
 agctttcaga aatatgatgg gcataccttc tacacggagg tgcgactagg gatat 415

<210> 11388  
 <211> 326  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11388

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cctatggttg gacctcccaa agagtatgga gtaacaccac ttttaacatt tctgatttaa 60
ttcctttttgc aagtggagct gatattgagg aggaggaact aaaaaatttg aggtcaaatac 120
ctcttcaagg gggaggggat gatgcaatcc tcaactangaa gggaccagtc actagagcca 180
tgagcaagag gctccaagag gttgagctag agctgctgaa aaagacccta gggttctcat 240
gaacctcang ataaatttct gagcccatgg gccaaaggttg ggtccaatta tctttgtaca 300
tattagacta cgatgtcatt atattt 326
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<210> 11389

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11389

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accatgtcat gcattctaga accaaacata tagagataag acatcatttt cttagagatc 60
atatatcaaa ggggtgattgt tgcattgagt ctattggtag tgaacatcaa ctagctgaca 120
tctttactaa acctctagcc aaagataggt tcttcttcat taggaatgaa ctgggtatct 180
tagatggatc tagtattgaa tgatgttatg cttagaacat gtagcttggt atatatactc 240
tccatgtctg ttaattttcc tttaatgtct cagtatctng atatattgat atgtagctga 300
ttctttctcc aaaaatacat gttttatttt gtaatttgaa gttttcacta 350
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<210> 11390

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11390

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gnataaagat gaggaatttc tcaaatccag atctatactt gctacaacaa atgaggttgt 120
agaccaaatac atgactatg tattaacat tatccgagga gaagaaaagg ggtatttcag 180
ctatgactca attgacatga aaaatgctgc aacaactaaa gcttttgaag caattacact 240
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agagtttcta cattcattaa agacatcatg aataccgaat catataatta ggctgataag 300  
 tggcacacct gttatgttga ttcaaaaatt agatcaagtt gatgcctatg caacgagaca 360  
 agactaatta tctct 375

<210> 11391  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<400> 11391  
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 tccactctt tcgtcatgcc gagactcggg aagcccaaca ggtttagctt ttcaaaaata 120  
 ctctgaacaa aattcaatgg cttcttttgc aatgtacctt ttcaacaata aatgcttctg 180  
 gatggtgtag attcttggta taccctttta agatcttcat gtatcgctca accgggtaca 240  
 tccatcacaa ataaactaga ccacaacatt tgatttctct gaccaaata acaattaagt 300  
 gaatcatgat gtcaa 315

<210> 11392  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11392

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 acaaattcta attaatgcat ttgcaaattg ttgtatacca tgtgttacta agccgaattg 120  
 ttcccttgac ttttaggttg aaaagctagg aaaagactca ctaattaact gtgccaagac 180  
 cagtatgtcc ttaaagttga tagctggtga taatgacttc ttgcccattt tgttatgtnt 240  
 gtaattgcat tggctatata ttgaatgttg agagtttata tcacatgatt gattcacacc 300  
 atgctctgct gcttctgcaa attctagtgc atatccaate gaatgaagct tatatgcac 360  
 atgtatcaat atttcattag tttctactgt gtgttgaatg tgtaaaattg tatattgttg 420  
 aaccatattg agttggtagt atgagtgaat ctg 453

<210> 11393

<211> 474  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11393

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 agataaagtt tattcccgca ccactaatct acgtggggtg ccaaaagctt gcacttcacc 120  
 atggtttaac ctttgccgtt caagcagttg cagcaataaa tctttcagct ataataacca 180  
 gcacagtaga atcaatattg aacaatgaat gagaataatg atagtaattc actaaaaatc 240  
 ataatagaaa ataacaataa atatctagca aatagctgaa aacaatntat atcagttata 300  
 cttgcttgct tgcatacaac acatcttgag gtggcatctc ttcagtcacca atntcaagaa 360  
 caaatgctct tgaatgatca tgcacctata accagagaaa agctggantt tacataatat 420  
 ataaatacat ntgtgggaca taatcaataa agaaactcgt actcaagcta aata 474

<210> 11394  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 11394

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 ccactgtcta ttgcttggt ttgtgttcac ttctctgcag caattatggt tatgcttaaa 120  
 tgtctttatc tgaaaagagt ttctaacttc attctttgca cagtagattt cccaatcaca 180  
 aatgtcttc ttgcattttg ctctagccct ctgtttatca ttcttcttcc acttgaactc 240  
 cttgcccac aatatgctat actccctcaa ggcagattta aattcatata gagtaccaa 300  
 cttcatccct a 311

<210> 11395  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11395

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cgaganaaaa gttattgtcg tttgaatttg ctccgaccat caacattcaa ttccgagcgt 120  
ctcgatatat tacgggactc aatcagacat cctagttaaa agttatgtcg gttgaatttg 180  
ctcagagcct caacattcaa ttccagggt ctcgacatat ttccggactc aatcagacat 240  
ccgagtaaaa cgttatttgc gtttgaattt gtcagagct tcagcattca attntgagcg 300  
tctcgatata ttaccggact caatcagaca tccgagttaa aagttattgt catttgaatt 360  
tgctcaaage ttcaacattc aattttgagg gtctcgatag attacgggac tcaa 414

<210> 11396  
<211> 316  
<212> DNA  
<213> Glycine max

<400> 11396  
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gggtgagcaa attgcaaaat cattttttta tgaaattgat ttgtatcata attgattatg 180  
aagtacaatg atatatTTTT tagtgTTTT aatctaagaa aaaatagtat taaaacttag 240  
tataaaagaa attgatccaa tgcaaaagct attaatgttg ctttaattca aatcaatttc 300  
ttcttaaaat taattt 316

<210> 11397  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11397

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acaatgcacc caagagacca tatactaac gctggttcaa tctgaccaac gaccgattct 120  
ggtgacatgt aaaaagggtg cccctctaac ttgaccttcc catactcagc atttgcatct 180  
tctctagtct tggacaaccc aaaatcagca atcttcagtt gataccttgc atgatcatca 240  
gatgaaggaa agagaaggat gttgtccggt ttgagatcac aatggacgac tccttttcga 300  
tgaatgcaag aaagcccttt gagaagcata cgagtgtaga ctcttacttc actatccgat 360  
attggccctt tctgttact aaaccaagaa gagaaccata aggagcacac tccatgaaaa 420

gattgtatgt cacataatth ctctcaacag tgaatnggtc aaaatagcat tg 472

<210> 11398  
<211> 304  
<212> DNA  
<213> Glycine max

<400> 11398  
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atcggacacc tgagaaaaaa gttattgtcg ttagatthtt ctcagagctt cagttttcaa 120  
ttacgagcgt ctagatatat tacaggaccc aatcggacat cgaagtcaaa agttattgtc 180  
gtttaaatth gctcagagct tctgttttca attacgagcg tctcgatata taacggggct 240  
ctatgcgaca tccgagttaa aagttattgt cgtttgaatt tgctcacagc ttttgtttta 300  
atth 304

<210> 11399  
<211> 493  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11399

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tccgattcag gcacataata tatcgagacg ctcgaaattg aacaacggaa gctctcgaga 120  
aattcaaatg gtcataactt ttcaaatgga agtccgattc aggtgcataa tatatcgaga 180  
agcttgaat tgaacaaaag aagctctcga gaaattcaaa tggtcataac ttatcacagc 240  
gaagtccgat tcaagagcat actatgtgaa gatgctcgaa attgaacaac gaaagctctc 300  
gagaaattca aatggtcata acttgccaca cggaagtccg attcagacgc ataatatacc 360  
gagacgctcg aaatngaaca atgaaagctc tcaacanatt caaatgggtca aaacttgtga 420  
cacagaagtc cgattcagcg gcataatata tcgagaagct ttgaaatgaa caacggagggc 480  
tctcgagaaa ttc 493

<210> 11400  
<211> 305  
<212> DNA



<213> Glycine max

<400> 11400

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ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120  
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180  
tggccttctt gcatcaacac agcccacaac ccaacatttg aagcatcaca ctcaatttca 240  
aaagattttt gaaagtttgg caacgcgaagt atgggggcat tagttagctt ttgcttaaga 300  
acatt 305

<210> 11401

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11401

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tcaatgccag tgacaacaaa cccaatggtg attccttctc cagcagattc aaaccacact 120  
gcttgcgacc aagctccctg tggcagaccc aataattgtg gagtgtgtgt ggttgcagtc 180  
ctcacagaaa aatccaaaac cacattggac acttctcttc tccttgacag attttttgcc 240  
ttcaatatat cgaaaatcaa gaacttgttg gttgaagaag tttatcaaaa cagacacaaa 300  
caccaaaacta cgcacaaatg gaaacaactc aaacaatgaa gcancgtgtt cttcacagaa 360  
taaggacata ctcaagatct tgataatnga aaagtaaac catactatac ct 412

<210> 11402

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11402

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tgcaaatnt tattgaggca ataaatctaa atatctgtna anccatanaa atanggcctt 120  
atatacccac cacagtaaaa agagtttcaa taaatggtag ttcatcaagt gaaagcataa 180

ccatagaaaa acctagagat agatggcttg aagaagatag aaaacgagta caacacaact 240  
 taaaagccaa aaacataata acatctgccc tgggaatgga tgaatatttc anggtatcaa 300  
 attgtaagag tgctaangaa atgtgggaca ctcttcgatt aacacatgaa ggaactacag 360  
 atgttaaaaag atctangata aatgcactaa ctcatgagta tgaattatgt agaatgaatg 420  
 canatgaaaa tattcanagc atgcanaaga gaattacaca ta 462

<210> 11403  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<400> 11403

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 agcccatggt tgatacatgg atggagatga aaaagatcat gaggaagcgg tatgtgccgg 120  
 ctatttactc aagggaacttg aaattcaagc tccaaaaact aacccaaagc aacaaggggg 180  
 ttgaggagta tttcaaggaa atggatgtgc tcatgattca agcaaattatt gaagaagatg 240  
 aggaggtaac tatggctcga ttcttaatgg tctgctaatt atattcgga tattgttgag 300  
 ctgcaggagt ctgttgaaat ggatgatttg cttcacaaag caatccacgt ggagcaacta 360  
 tta 363

<210> 11404  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<400> 11404

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 agacgctcga aattggacaa tgaaagctct tgagaaaccc aaatggatcat aaggtatcag 120  
 tcgggggggtc caattcaggc gcacattata tcgagaagct ttaaattgaa taacggaagc 180  
 tatcgagaaa ctcaaatgt aataactagc cacacggaag tacgattcag gcgagtaata 240  
 tatcgagaag cttgaaattg aacaacaaaa a 271

<210> 11405  
 <211> 312  
 <212> DNA

<213> Glycine max

<400> 11405

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taacatcctt taaaaatttg aattttaaatt ttaaagcttg caatcaatta caacttgtgt 120  
gtaatcgatt accagacatg aaaattcaaa tttcaaactt gaagagtcac aactcttcag 180  
aaactaactg tgtaatcgat tacaacaatt atgtaatcaa ttaccagtaa ggaattttcg 240  
aaaataactc ccaagagtcg caactgttca agaagttttt gaatggctat caaaggtcta 300  
taaataagggtg ac 312

<210> 11406

<211> 313

<212> DNA

<213> Glycine max

<400> 11406

agcttatgct gcaaatattt acatttgacc tcctcaacct cagcagcaaa atcaaccaca 60  
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcaccttaa 120  
cctcagatgg tccagccttc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180  
tgtttggccca agtagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240  
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300  
tatgcagaac atg 313

<210> 11407

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11407

atgtatntat acatnnattt gattatttca ataaaaaato taacaaggct gcttcaaatg 60  
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attcactaaa gaccaagcct tgccttaaaa caaagtgtt tcaagacatg caaggctctg 180  
gtaatcgatt accaggaagt gtaatcgata accagaagac atgattgaga aatatcttgt 240  
gaaaaagggtg aanttaaatt ttcaacatgt aatcgattgc catatgtttg taatcgatta 300

ccagcaacaa aactttggat attcanattc naaagtcata accccttcaa ttataactgt 360  
 gtaatcgatt acacacacat tgtaatcgat taccagtgagg aagttttcac aaaatctggc 420  
 aacagtcaca tct 433

<210> 11408  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 11408  
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 ttttttttat agatatgtag agcagtagct tatattcaca attgtattgg agtgtctcac 120  
 agggacataa aagatgatgt catgcttgct ttcttcttga aaataaattg aaattctgat 180  
 actgaggaca gatgtcgtac aggatgtcac gacatccgc ttcagaacat gcagattata 240  
 tatgacagta tgaacagatt aaacaagtaa ataacacaag agaattgtta acccagttcg 300  
 gtgcaacgtc 310

<210> 11409  
 <211> 516  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11409

acactatgat actaagcttc tagtttagat gatgcagatg ggcttgtagc tacctcatgc 60  
 actcctctaa tgactatggc ataatttctg gcgataaact gttgggagtt ggaagccatc 120  
 ttctcaatta aatttctggc ttcagcagga gtcattgtct caagggctcc accactggca 180  
 gcatctatca tacttctctc catattgttg agtccttcat aaaaatattg gagaagaagc 240  
 tgctctgaaa tttgatggtg agggcaactg gcacatagtt tcttaaatcg ctccatgtac 300  
 tcatacaggc tctctccact gattgtgcta ataccttaga tatctttctt gatggttggtg 360  
 gtcttggaag cagggaaaat tntttctagg aatactctct taaggctcgc ccagctcgtg 420  
 atggaccttg gagcaagta atacagccag tccttttgcca ctccctctaa tgaatgagga 480  
 aaagctttca gaaatatgtg atcctctcgg acatct 516

<210> 11410  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<400> 11410

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ttcacctgac gaagacactg acaaaaactt atcttctcct tcttggaaca agtatggcag 120
gctgggggca agtaaatattt cttcccatca gaccttgat gcaactatgc tttatatccc 180
atatcagcta gatcttgacg ggtattcaag ccattcctcg tcttgccctg aatgttaagg 240
agcatcccaa tcacactgtc acaaacattt ttctcccat gcataacatc aatataatgt 300
ctaacgtca 309
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<210> 11411  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 11411

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cagttcatga taactgagtt tgaaatgaca gatctaggga agttatcaca ctctcttgga 120
ttagagatta atcaagttca gaaggggggtg tttatgcacc aaagcaggta tgacacaagag 180
atctcaaaa gggttgcat gatgaattgt aattttgttt caacaccagc tgaagctgga 240
ctcaagctgg aaaatgaccc ataggaagag ctggttgatg caatagaatt catgaagcta 300
attggatcct tgagatactt gtgcaatagc agacctgata tttgtttgca gtagcctaatt 360
cacaggttat gagggaaacca aatgtcacac at 392
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<210> 11412  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11412

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catcttggga tgttcccagc ctttgatgac agctttccag gttctgctat ccagtgattt 120
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gaggaaggcc accattcttg ctttccagta ttcatagttg cttccatcaa gaattggtgg 180  
 tctgttcaact ggtcgcctt ctttctccat gttcatcaga atntatctcc ctagatctca 240  
 ctctgtgatt tcgagtgttg gctctgatac caattganat tctgatacca ggggacagat 300  
 gtcgtaccgg atgtcacgac atcacgcttc agaacatgca gattatatgt gtcggtatga 360  
 acagattaaa caagtaaata acacaagaga atngtaaccc agttcgggca acctccctac 420  
 atctg 425

<210> 11413  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11413

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 atgggtccata gagtttcttg ttgctctcaa aactaagtga ccgaatgaag attggteccc 180  
 attgatttaa gctaccatag tatccatcaa ctgatgttag gaactcctct gggtaatcaa 240  
 gcttgatctg cagcacaatc ataaatattt aatcgatata acacacgagt gtgatgagta 300  
 acaaccaaag aagcacanac acttcatgat tgtatacaca aatgtttntt ttgttattaa 360  
 caaatgttaa ttgttagttn ttcttggtag atgttagata tgtatctatg tnggacactc 420  
 tacggactac 430

<210> 11414  
 <211> 503  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11414

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 tttcccaggg agttagaaga aagaaaaaaa ttaatgtaaa aattacaagc ccttcccttt 120  
 tagcaaatta actctcctaa ttaagatatt gtactatata tcctaaaaat gtaatatgta 180  
 tgtntttttc agcatcaaaa tataatggta aataaaaagtc ttgtgagaga gtatatatat 240

gctcccaact tgttcctgaa aatgacaaac atgatnttat ggaaaacagt cataatntagc 300  
 tgtagttntt tataatcaaa tttgtcttaa aagtatgtnt atataaaaaa atctaaaaac 360  
 attatctttg aggtgattaa cgtgagaatc ttaagtnta tgtntctcaa tataaaaaaa 420  
 atccaaactt taaatacttn caaattaaat ttaataaaat aaaatntata tcaacacata 480  
 agttataata aatgttcacg aaa 503

<210> 11415  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 11415  
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 caccctctta aggtcatccc agctgaaaat agacctgaga gcaaggtagt ataaccaatc 120  
 ttttgccact ccctccagag aatgaggaag agccttttga aagatatgat cttcttggac 180  
 atcagggggc ttgatggtag aacaacaat atggaactcc ttaagatgct tataaggatc 240  
 ttcacctgca agaccatgaa acttgggcag caaatgtatt agtc 284

<210> 11416  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<400> 11416  
 agcttataat atatcgaggc gctcgaattt gaacaacgga agctcttgag aaattcaaat 60  
 ggtcataact ttttaactcg atgtccaatt catgcgcac acatatagag acgctaaaaa 120  
 atgaacaacg gaagctctcc agaagttaaa atggtattaa gtttttacac tgagggtccga 180  
 ttcaggctta taatatatcg gggcgctcga aattgaacaa cggaagctct tgagaaattc 240  
 aaatgggtcat aacgttaaac tcggatgtcc cattcatgcg catcacatat ta 292

<210> 11417  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11417

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tgagcaacct gaagcttatg ctgcaaacat ttataataga cctcctcaac agcaaaaacca 180

acaacaacag aataattatg acctttcaag caataaatac aatccgggtt ggaggaatca 240

tccaaatcta agatggacaa gtcctccaca acaacaacag cctgttgatc gaggccatac 300

ccgaatcaaa taaacattaa aaatgcagta tctaggaagt gatecctaggt cgtctcccaa 360

tgagcaatgg tcaaccaa atgtcataaca natagtaata aaatagtaac 420

<210> 11418

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11418

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caaagtcatt gatccagcta tgtttgatga gttggaaaat gaggccgcaa ttatactatg 180

ccagtttagag atgtattttc ccttacttt ctttgacatc atgattcact tgattgtgca 240

tctgggtcaga gaaatcaaat gttgtggtcc tgtttatcta cgggtgatga acccggttga 300

gcgatacatg aagatcttaa aagggtatac aaagaatcta tatcatccag aagcatctat 360

tgttgagagg tacattgcan aagaagccat tgatatttgt tcagaatact ttgagaangg 420

ctaaacctgt gggcttntctg agtctcggca tgatgacaga gtgggtggta aggattcaag 480

aggactgcan gtgatca 497

<210> 11419

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11419

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tgattgttcg attgaggctc ataatatatc aaaacactct aaatttataa cagaagccca 120  
 agacaattca aatgggtata acttttgact cggttatctg gttgaggccc atagtatatc 180  
 gagatgctca aaattaaata agaaagcccc tggcaaattc aaatggccat aactntatac 240  
 tcagatgtcc aattgaggtc cataatatat cgagacgctc gatattgaat aaggaagctc 300  
 tataaaaaa taaacggtea taattgtagg atcagatgtc caattgaggc ccacaatata 360  
 tcgagatgct caatactgaa t 381

<210> 11420  
 <211> 507  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11420

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 cttgtacaag tggcttaca tatttgaagc ctttaatgca tgggttaaac gcccaaaata 180  
 cagattaag aatcaccta ggagacgcat cccaccttt ctccattgaa gatggagttt 240  
 tgtagtttac tatggatatc agtacaaaa gttgagcagc tgtcaatcat acaagcaggt 300  
 agctgtatga ttgttccaa cttccaaatg tcatttcaag ggctttntgt ttgattgtcc 360  
 atgctttttt gtatgaacag tgtaaccaa ccggtgttgc atgtctgcaa tcaaggttnt 420  
 gatttcgata ccaggaattt gtttactaa atgaacaaca ttatgagcaa ttacagaaga 480  
 gtctaaccata gcatgatctt gtgatat 507

<210> 11421  
 <211> 484  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11421

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 gtgcggngg tcaggagacc ttnggacgt caggtggggg gctattgcc aaaaccaagc 120  
 ttgaccaatc ccgaccaac ccgggcatag tcggtcagtg agaacctgtg atgtacctaa 180

gcaggcgagc tcttggaat caacagataa taggaacaaa gaccacaaag ncaggaggct 240  
 ngtgggtggt ggccagctgt ngaatttgtg tgatatgtgg agtatggcct ctggtaatcg 300  
 aataccaagg gtgggtaatc gattacaagg cttanaaatg aagacagggg gctaagatgg 360  
 tctctgaaat tctgatacca gnggacagat gtcgtacagg atgtcacgac atcacgttc 420  
 agaacatgca gattgtatgt gtccgtatga acagattann accagtaata acacaagaga 480  
 attg 484

<210> 11422  
 <211> 501  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11422

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 ttattaaaaa agttgggttaa atttagatat tagtatntaa attgtcaata gttataatat 180  
 ttttttaaaa attatcctta atattattag aatttattca ttttttttaa tctctataag 240  
 aaagaaagag acaattcaga aacgttcaat tataaattaa aataaataag gatatnttaa 300  
 ttcaaaatca attaatgcac aacataattg aaataaaatc ttatgaaaac aatntatttt 360  
 ttccaaatta tttcttataa atagggacac atgaagtagt ttactccctt gaaaatacta 420  
 aaatngacct gagtggcttt ttcttacaac aatcttnngt tttgaatata atttattttg 480  
 taagatgac gaatattaaa t 501

<210> 11423  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11423

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 ccattgagga attgaacaag gatgtcaata tgatatggtc caacataaga ggcacatgtg 120  
 tataggaatg aaaacaaacc tgataaaaagg atcccttgcc atgttgacaa gaataacacc 180

ttcgccagct taagagtggc cacaatccta acactaccac actctgactc aagtttgttt 240  
 ctaaaagtgg gaaaaacccc ataagcactg tcatcagtag caagaagtgg gacgtcctga 300  
 tgctcttaata tcttctctct gcttagactt attaatggac caatccatga gaaagtaaga 360  
 atgtgtataa aaatccagca ttngaataac ggggttaaant ttcatttagt ctactcttac 420  
 tggaatcaga attgtngcat acactagagt cacca 455

<210> 11424  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11424

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 ccttaatgca atctacacaa gtctcataat cagcgatagt canagtacta agtactcctt 180  
 catttactaa tcgcttgatt ctttcaatag agatatgtcc taatctccgg tgccacaaca 240  
 tagaggattc ttcattcaca atacatcgtt ttaacccaac agaaacgtgc atagtaagta 300  
 gcgtcatttg ctaatcaatc gaataaagac catcaac 337

<210> 11425  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11425

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 cgatatatta tcgcctgaa tcggacctcc gagtataag ttatgacct ttgaatttct 180  
 cgagagcttc cgatgttcatt attcgagcgt cttgatatat tatgcgactg aatctaacct 240  
 ccgagtgaag agatatgacc atatgaatt ctcgagagct tccgttggtc aattatgagc 300  
 gtctctatct gtgatgcgc taaatcagac atccgagtga acagttatga ccatgtgata 360  
 ttctcgagag ct 372

<210> 11426  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11426

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 catagagcca atacattctt ttggatgaga agctctaccc caagatatct gattatgggc 120  
 tagcacagcc ttgtgtaca aatgatagta ttatttccag gtctgggtgcc agaggaaacat 180  
 tanggtatgt agctccagaa caattggcag aatttcacac aaatctga 228

<210> 11427  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11427

tcttcgcgcc gcaataaatg cgctagtctc tcttttctat tcatcccatg tganattatt 60  
 atcaaaaaca ccagatctct taattcaagt ctgcaccaag tnttctgag ataatgtctg 120  
 gtcgtggaag ggggtggaatg gggttgggaa agggatgtgc ctgagggcac atgaaggggc 180  
 ttctcgacaa cattcanggc attacgaaac ctgcgattcg tacgttagcg agaagagggt 240  
 gcgtgaagag gatcagtggt tcgatctacc aggaaaccag aggggttctg aagatattct 300  
 tggagaacgt gattcgcgat gctgtgactt ataccgagca cgctacgagg acgacggcta 360  
 ctgccatgga tggtgtttat 380

<210> 11428  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11428

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 gtctcacctt catatagaca tctatatctg ggtcagggtt aatatttgc tctttctctc 120  
 ttctggacac ctctgctagc aaatctgcag aatgtaaaat aattttggtt aaaacttgat 180

attgcatatg aaatttttgc acggtatanc aaatgcaatg ctgtgggcta accataacga 240  
gctccaactc cttggaccgg tgcggagaag gccaaaggtnt ctctaactgt cattttctcca 300  
atatgaagat catattgact gacataagca gcagttctgt ggggacaaac tcattcatcc 360  
catgaccatt ataagtcacc tntccagtga actgatcaat aagtcaaacc ttaatagctg 420  
catatccana actgghanact acgagccaag catgataaca tcatttaaca attaaatata 480  
t 481

<210> 11429  
<211> 491  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11429

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agacgtttctc ttaaagatnt atgcaataat atgactttctg tgtctatgat tgaacctaaag 120  
aatataaatg aagccataat agatgatcat tggatagttg ctatgcaaga ataactaaat 180  
cagtttgaaa gaaacaatgt gtgggaacta gtagagaaac ctgaaaacta ccccatcata 240  
ggaacaaaaat gtgtatttat gaataagtca gatgaacatg gcataatcat taggaataac 300  
gctagattag ttgcaaaaagg atataatcaa gaagagagta aagattatga agaacatat 360  
gcgtccagtg caagattagt agccattaga atgcttttagc ttgtgcacca taatgacatt 420  
taactttatc aatggatggt acagtgcctt ctaatggcta atcaagagaa gatatgtgaa 480  
caccgccaggt t 491

<210> 11430  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11430

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ttacaggact cagtcgaaca tccgagtaaa aagttatatg cgtatgaatt tgctacgagc 180

ttcctgtttc aattaggagc acctcgattt attatgggac tctataggan atctcaggta 240  
aagtatcgt cgtctgaatt tggtaagagc ttccattcta aattcgcagc atgtcgatat 300  
attacgggac tctgtcagac atccgagtta aacgttattg taatttgaat attctacgag 360  
cttcggtttc aatttgggtc tctcgatatg ttactggact catctgacat ctgataagta 420  
ttgtcgtgat ttctacctct catatcaatt 450

<210> 11431  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11431

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cttgcagtta acataaatgg tcttcccaag attaaaggaa tgtcattatc ttcacagata 120  
tccattacaa caaagtctgc tgggaagata aaatgtttta ctctgaccaa aacatcttca 180  
attactccat atgggtatgg aatggagcgg tcagccaact gtaaagtcac tctagtgggc 240  
atgattttcca actctcccag tcttctgcac atggagagtg gcatcagatt gatactggct 300  
cccaagtcaa tgagagcttt tcccactgtg acttcaccta ttgaccaagg aatggtcaca 360  
ctcccanggt ctttgtgctt cgggtgaagg aatttctgga tcaccgcact gcaatttacc 420  
tttcataact atatttctct gtgaatgtac ttgtgcttct ttgtgcacat gtctttaaaa 480  
c 481

<210> 11432  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 11432

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tgtatgactt gatggatgat tttcaagggt tgagggccag aatgcagaat gagtacaatg 120  
aaaccgtgga acgaaggtac ttcaccataa caggagaaaa ggctgatgaa gacaccatac 180  
ataacttgat atcaagtgga gaaagtgaga tttctcttca gagggcgatt catgaacaag 240

ggaggggtca tataatggac accatatcgg agattcatga gagaca

286

<210> 11433  
<211> 353  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11433

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gcttactgga tgtagtttgg gtgacttccc ttttagatac ttaggagttc cctttttatc 120  
atcgagatta aatgtatgtc attatgtccc ctgcttttcc aagattactg gcctgattta 180  
tgtagggagc aagatgtctt tatcttatgc aggtaagtta cagttgatta gagcagttat 240  
tcaaggaatc gtgaatatct ggatggagat tnntcctttg ccgcaatctg ttctggaccg 300  
aatcaacgct tctcgccgta atttctctgtg gggaaagcga atattgcaaa aac 353

<210> 11434  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11434

gctcgctggg agcttcatgg aggctggatc tgtgagcttc aatgatgtcc tttatgttag 60  
actagtggcc tcagatatct taagaaggag gtgggggttg attaatatat tacaacttat 120  
ttccccaatt aaaaattcta cttaactttc tattcaagtt ataaattccc ttaataatga 180  
atctcttaaa taatgattca taagaagaat ctgaataaga ctataaaaca catataaatc 240  
atggagttta tgggaagaga angtgcaaac tcagatttat actggttcgg ccacaccctt 300  
gtgcctacgt ccagtcceca agcatccgcg ttgagagttc cactatctt 349

<210> 11435  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 11435

agtcacctgc cgcattgcaag ctttcaccca acaggcgaat gaagattgca tttattggca 60

catctgagtt tgacagtgc ccgattcctt tgtcagggtca tgaagttttt gatcgggtga 120  
agaacatcgt tactatatat gggaaaacac aaaaatagga tgggtccac aaccagcttt 180  
ggaagaaaaa gtctatatat ttttatctgc cttactggtc gtcattagat gtgagacatt 240  
gttttagatgt tatacatgtt gagataaatg tatgtgatag tctagtggg acactgctaa 300  
acattaaagg caagacaaaa gatggtttga aatgccgctc agatttagta gagatgggca 360  
tacgacaaca gttgcacca g 381

<210> 11436  
<211> 541  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11436

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agaccttcac gctaattgtga gtgatgttga ggtgggtgat aagggtgaaac accttggata 120  
agattaanat actctctaata tattttgttt tctgattnta atttttagtga gagagaatgg 180  
gtatagagac taacattatt ggtcccatct tgcttcgtag tcataccttn tcataatcga 240  
tcacttatat attntttgat gttaaataac tacaatatga gctaagactt aaaattttta 300  
ttattttatct atntgattta atgtctagnt ctatttttat tntctaaatt aanaaatact 360  
ttgatcgatt catatgtgtg tattatatca gtntatcact ataccattca tttgtatata 420  
caaactaatt tatgntgttg tcttcttttt gtactcgaat aactannat tagacttcat 480  
ctatgtactc ctctatttac atgggtatcat gttttaatat acacatttgt tgtaaatacc 540  
t 541

<210> 11437  
<211> 501  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11437

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caattcttca gtgggctttc cttctgtgtc cagcatcttg ggaatgtccc agcctttgat 120



gacagctttc caggtttctgc tatccagtga tatgaggaag gccaccattc ttgctttcca 180  
 gtattcatag ttggttccat ctaagattgg tggctctgtc actggctctc ctctctctc 240  
 catgttcac agaatttate tccctagatc tcaactctgtg atttcgagtg ttggtcttga 300  
 taccaattga aattctgata ccaggggaca gatgtcgtac cggatgtcac gacatcacgc 360  
 ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa ataacacacg 420  
 agaatggtaa cccagttcgg tgcacctcac ctacatctgg gggctccaag ccgagaggaa 480  
 accactctaa tagtgtagtt c 501

<210> 11438  
 <211> 403  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11438

tgccctcata ctgcggttc caaactttca aatatctgtt gaaagtgagt gtgatgcttc 60  
 aaatgttgtg attgtggctg tgttgatgca agaaggccat ccaattgctt atttttagtga 120  
 aaatttaagt ggtcctaccc ttaactagtt aacttatgan taggagttgt atgtcttatt 180  
 acgagacttg aaaacatggc aacactacct ttatcccaag gaatgtgtca ttcatagtga 240  
 ccatgagtc ctcaaatata tcaaggggca aggcattgctt aacaaaaggc atgcgaagtg 300  
 ggtggaattc ctatagcaat tcccttatgt tatcacacat ataaagggaa gaggtaatat 360  
 tgtagccgat gctctttctc agcgtcatgc attactttct atg 403

<210> 11439  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11439

agctntgggc tcagtggccn cggtcacgtc tattctttac atggagaagg gccacgacgc 60  
 ttccaggatg ttccaaggca agggcggagc gttgacgttg tctgcaaatg tatgacactt 120  
 atggcacttt ctcacgtgga tgcaatagtc actctccatg atgagccaat aatagccgc 180  
 cctcaggatc tttctagcca tggcgtgccc gttagcgtgt gttccaaagg aaccctcgtg 240

gacttccact agaatccgct tagcctcctt agcatccacg catcgagta acaccatgtc 300  
atggtttctc ttgtatacta tgtttccact taagaagaaa ccggttgcca atctccttaa 360  
cattctcttg tcgttggtgg aagcctccga tgttcttgag cccgaaagac atctncttat 420  
aat 423

<210> 11440  
<211> 510  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11440

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tccctgtctg atacaatact agaaggaatt ccatgcaacc ttattacttc cttgatgtac 120  
aactctacta gcttctccat tctatacttc atattcaccg gaataaaatg agcagatntg 180  
gtgagtcgat ctactatgac ccacaccgca tcatgtccac gactagtctt gggcaaacta 240  
gatacaaaa ccatagatat gctctcccat ttccattccg gaatttccaa tggcttcaat 300  
tctcccgatg gtcgttggtg ctcagcctta gccttttggc atgtcaaaca tcttgctacg 360  
tattcagcta catctttctt catgccatgc caccaaaaac ttctcttcaa atcttggtac 420  
attntagtca ttccaggatg gaaactaaga cgaactttat gagcttcttc caagatctta 480  
actctcanat catctaaaga tggcacacat 510

<210> 11441  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11441

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ctatggcatc attttctggca ctaaactgct gggagttgga ggccatcttc tcaattaaat 120  
ttctggcttc agcaggagtc atgtctccaa gggctccacc actggcagca tctatcatac 180  
ttctctccat attactgagt ccttcataaa agtattggag aagaagctgt tctgaaatct 240  
gatggtggng gcaactggca catagtttct taaatctctc ctagtactca tacaggctct 300

ctccactgag ttgtctaata cctgagatat ccttctctgat ggetgtggtc ctggaagcag 360  
 ggaaaaattnt ttctaagaat actctcttaa ggtcatccca gctcgtgatg gaccttgag 420  
 caaggtaata cagccagtcc tttaccactc cctctaata ga gtg 463

<210> 11442  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11442

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 atgttgagtg gttagggaac attaccagat tgacaagagg tcgcggttaa gaggcctctga 180  
 caaacatcta agcaaggatc aaaagaattt aagaatgttg ttatgttatg tgccgaaccc 240  
 caacatcaaa atcttgtaaa agttcttggg tgttgcatc aagaagatga aaaattgctc 300  
 atatacgaat atatggcaaa taaaagctta gaggtcttcc tttttgggta gtttctctaa 360  
 atttaactgg gtaattaatg taagatngca ttttgttctt acaattgggt gcaaattaat 420  
 ta 422

<210> 11443  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11443

agctangagc accttttccct cacttcttcc ttcattgatg ggttgagcct tctctagggt 60  
 tgtatgattg gtctatagtc tcttccatc attntcttgt gcatgtagtt ggcagggctg 120  
 attcctttaa gatetaatat gtgccacca attgcttcca tgtgtccctt gaggaccttt 180  
 accaacctat tctcttctc tgctgttagc tcaactgtgat caccacaggc tnggtctgcg 240  
 tctcctcaa gaacacatac ttcagggtgt tgggtaggat cttcaactcc accttggtct 300  
 tctcgtagtg actccactt nttaattctt caaagctggt ccccttgca ggaatgtttt 360  
 cttcatgac taagtcttcc aagaaagtcc tcagatcctt ttcctcttca atagtttagat 420

<210> 11444  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11444

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 atgacaaaaa acatgataat aacaaaaaaa agtccttatt acaaagacaa ctcaacatgc 180  
 cccgaaatac aaggctaaaa cccatacta ctagaatggc caaaatacaa ggccctagacg 240  
 aaggaataac ctattctaatt atttacaag ataagcgggc tcatacttag cccatgggct 300  
 cgaaatctac cctaaggctc atgagaaccc tagggcctnt ccttggtatct ctageccaat 360  
 ctacttgagg tcttctagcc aatgcccttg cggggtagga ttgcacant tactttcact 420  
 cagatgtgcg attcaggcac atcagatatc gagacgctcg 460

<210> 11445  
 <211> 490  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11445

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 tgtgaattac anaactaccc ctaatacaaaa aactagtcta agtgccttaa aatacaaaagg 120  
 ctgaaaaaac ctatatttct tgggtcccct acctacatta tggagcccta aatacatgac 180  
 ccaaaattaa tgaaacctta atctaatatg tacaagata agtgggctca tacttagccc 240  
 atgggcccga aatctacctt aaggctcatg agaaccctag ggcccttctct tgcattcttg 300  
 gcccaatctt cttggagtct tctatccaat gcccttgagg ggtaggatng aatcacacag 360  
 tttctatgaa ttctatcatc taagcaaac caaanatctt gaaataaaact taaattcact 420  
 aaattgctta atgtggaaca taactaatat aactcgaacc aattcattac aataaataag 480  
 ggtaacttac 490

<210> 11446  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<400> 11446

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 acacacaccc ctctcataac taagctcacc tccttgagaa gcttccttaa gaagattcct 120  
 tatgaagcta gagcttagct acacatacct ctctaatagc taagctcacc tccttgagat 180  
 gagaagctag agcttagcta cacacccctc ataatagcta agctcaccct catgacaaat 240  
 aaacatgaga ataacacaaa aaagtcctta ttacaaagac aactcataat gccccgaaat 300  
 acaaggctaa taccctatac tactagaatg gccaaaatac aaggcctgga cgaaggaata 360  
 acctattcta atatttatac agataagcgg gctcactctt agcccatggg ctcaaaatct 420  
 accctaaggc tcattgagaac cttaggggcc ttccttgatc ctctagccca atctac 476

<210> 11447  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11447

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 tcagggtcca cttggacccc atntctacca actataaacc ctaagaanac tatattatct 120  
 acacaaaaag tacacttctc ttatttgca tagagggtgt ntntcctaag gactganaga 180  
 acttgctga gatgtcctaa gtgatcatct aggtccttac tgtacactan aatatcatca 240  
 acataaacia ctacaaatct acctatgaaa tcccttaaga catgatgatc aagcctcat 299

<210> 11448  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11448

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aacaacagaa tattccttgg ggagttctac aagctcccat acatcattat tctgaaactg 120  
gtctagctct tcttgcatgg ctgtgacca atattaatca gacatgggtat catctatgtn 180  
gttttgctca atctcatata gtaatgttgt gttcttaaga gagatccttc tctgtacttt 240  
gtccatagga tcacatatga tctangctct agatgttgtt tctccaacag gcattccagtt 300  
ggttctctgg cctcttcagg ttggttgctc actggtgagt tagacgcaag ttggttctga 360  
ctctacacaa cagtagactt aacaatatcc tctatcttca tttatg 406

<210> 11449  
<211> 521  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11449

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ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgcttg tgctgtttct 120  
tccatgctat atgtagcaaa gtcattgac cagtcattgt tgatgagttg gaaaatgagg 180  
cagcaattat actgtgccag ttggagatgt attctccnc tactttctnt gacatcatga 240  
ttcacttgat tgtgcactcg gtcagagaaa tcaaatgttg tggctctatt tatctacggt 300  
ggatgtaccc ggttgagcga tacatgaaga tcttanaagg gtatacaaag aatctatatc 360  
gtccaaaagc atctatttgt gagaggtaca ttgctgaaga agtcattgan natttgtcag 420  
aatacttaga gaaggctaaa cctgtggggc ttctgagtc tcggcatgat gacagagttg 480  
gtggtaaagg ttcaagaaga ctgcatgtga tcaactcaag t 521

<210> 11450  
<211> 396  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11450

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ctttacaact ctgacctgga tcccccttct ttatgcataa aagaagtgtc cagttggagg 180

ggaataaggt ctaacggtgt taggggattg aacctataga caacctcaaa aggggattgc 240  
 ttggtggttc tataaaccn ctattgtacg aaaattctac atgaggaaga tattcatccc 300  
 aagacttatg gttgcctctc aaaagagcac cttaaagggt ggataaagac ctatttacta 360  
 cctctgttcg cccatcagtt tgtggatgac aaagtg 396

<210> 11451  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11451

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 aattaattaa ttggtccag gttttgttct tttaacttaa ggtaacaatt attgcatang 120  
 gtttatgttg aaatggaaat tgtttgttga cgacatgttg cttgttggtt tgggtgatca 180  
 atcangacgc taangaacag gaagagaaga gggccactac tcagttgatg tttgatttgg 240  
 gttagaaggc ctatgggaag ggctcctatg gacatgccat tgaatttctt gaagttgcac 300  
 tcactatcat naccagggc tacattattg gtggtgaggt tggttcttctc ttgcccaaac 360  
 aagaatttnt gtctgattgt ggaacgagga 390

<210> 11452  
 <211> 128  
 <212> DNA  
 <213> Glycine max

<400> 11452

cgagtgtctc gatataattat gcgcctgaat cggacctccg aatgaaaagt tatgaccatt 60  
 tgaatttctc gagagctacc tcttgtcaat ttcgagcgtc tcgatataatt atgcgcctga 120  
 atcggacc 128

<210> 11453  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11453

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 acacaaccat aaactaaaaa aagcatatgt gatcagtgtc aaaataaaaat gcaaccattt 120  
 acaaaaccaa tcaagaaaaa agaatagat tattacagct aaccaatcaa caagcctttc 180  
 aggtagccat gcttgagatt gcttggtccac ataaaaatatt tcaattaact cccacgcagc 240  
 tttcaaagat gtaggctctt cacctctcta tattatgtgt aatgtgttaa aaagcaagtg 300  
 attaacttct cggtatcata attcccacaa agcagatctc agctcagcta aacacggtan 360  
 aacaatntag aacctanaac agtaccttag caattacatt tgggt 405

<210> 11454  
 <211> 343  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11454

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 gacaattaaa aagttgtaat cgattaccag taacgaaaaa ctttgaaatt aaaactgaga 120  
 aggcataact cttcacaatt aactgtgtaa tcaattacca cacatctgta atcgattacc 180  
 agtgagaaat atttaaagat aactctgaaa aatcacaact cttcacaagt tgttngaaag 240  
 gccaccaaag gcctataaat atgtgacttg tattcgaaat tctntagaac attcattgtc 300  
 ctatcttctc acaagagaat ctttggcaat cacttgcaaa tca 343

<210> 11455  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <400> 11455

agcttttagtg tgtttcttga gcttctctgc gaaacaaaa gtatgtgatg caatcctacc 60  
 ccgcaagggc attggataga aaactccaag tagattgggc cagagatgca agagaaagcc 120  
 ctagggttct tatgagcctt aaggtaaatt tcgggcccac gggctaagta cgagcccact 180  
 tatctttgta aatattaaat taaggtttca ttatttttgg gccttgtatt tagggctcca 240  
 taat 244



<210> 11456  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11456

tgagcaacta tgcatacaacc taacgaatga taagttgccca caacattnta atcacgcaag 60  
 gttataactt cataatacaa cttgaacatc attattaatg aaaatacata agatagaaga 120  
 gatgcatctg ttccaacagc atgtattcca gatggagcaa gaagagtaca cacaggagga 180  
 aatcaatagg agctatgtag aatctgtgga taatcacgat gttctcgatc ttattgagaa 240  
 cgtagntaga tacttttgaa tcac 265

<210> 11457  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<400> 11457

agcttttaggc gatagttaaa ctagaacact ttttggccaa tatggaactc ctctctaaga 60  
 atcctagagt catgaatcct ctccacttct tctttgtaga tcttggattt ctcataggct 120  
 tctaagcgaa tctcttcaag ttcttgcaat tgaagcttcc ttccataacc cgcttcatca 180  
 aatgccatgt tacaaccctt caccgccccaa taagtgcagt actcaatctc caccggaaga 240  
 tggcatgcct taccaaaaac caccatatag ggagacatcc ccaaagggtgt taggtaagc 299

<210> 11458  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11458

tgagagatgt cttaatatgt tttctattag aagtgatcat ggaggtgaat tataaaatga 60  
 ttattttgac anagtttgtg gagaagatgg aattcaccac agacctcaat aaaatgggtg 120  
 tgtggaaagg aaagatagat cccttgaaga aggagctaga actcttctaa atgaaacaaa 180  
 gctaccaaaag tacttatgag ctgatgttat gagtactatc tgctatactt taaataaggt 240  
 tcttataaga cctattctaa ggaaaaactcc ttatgaactn tacacaggaa gaagacaaa 300

tatatctc

308

<210> 11459  
<211> 292  
<212> DNA  
<213> Glycine max

<400> 11459

agcttctttt accaccttta ttaatctatt cacattttta aaaatctaca ttatttatgc 60  
agattatggt gtcataatct cgtgtgtcat ttgatgggc cttttcttca ttcaacatca 120  
tgggacacat agagttgcct tcatggttgc cccactactt gcaaaatggc ttttgtgcat 180  
tagtgggtatt ggtgtatata acagattcta ctggaaccga cacatatacc gtgcacttcc 240  
tccactctac atgttgaaat tcttcagagc cactggcatt gaaggatgga tg 292

<210> 11460  
<211> 314  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11460

ctaagctatg ctgcatatat tacaatagac ctctctgacc tcagcagcta aatcaactac 60  
agtatagcaa ttatgacctt tccagcgaca gatacaacct tggatggatg aatcaccccta 120  
acctcagatg gtccagccct cagcaacaac aacagcagcc tgctccttac ttccaaaatg 180  
ctgctggccc aagcagacca tacattcctn caccaatcca acaacagcag ctacgccaga 240  
gacagcccac acttgatgcc cctccacaac cttccctcga agaacatgtg aggcanaatga 300  
ctatgcataa catg 314

<210> 11461  
<211> 202  
<212> DNA  
<213> Glycine max

<400> 11461

tcttttccat tattcaatgc aaaaccatta caaccctga tcttaaaagg agagatgttc 60  
ggttttatgc cattgaacaa ttcatatgta gttttctttg ggaggggtct tattaaagcc 120

ctatttaaaa tgtagcatgc agtggttaacg gcttcagccc aaaagtattt tggagagagga 180  
 gtatcattta ataaagttct ag 202

<210> 11462  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11462

catatatcca gatccttgag aatgaccacg gaagctctcg gcanattcaa acggccatat 60  
 acgttgactc gaatgtatga tcgatgccca tgatatatcg agacgctcaa aattgaacaa 120  
 cagaagctct cgagagattc atatggtat aactnttctc tcggatgtgt gattcacgtg 180  
 catcatatat cgagacactt gaaattgacc attgaagctc tcgacagatt caaacggcca 240  
 taactttaga ctcgaaatgta tgatcgacgc gcatga 276

<210> 11463  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11463

catgtcacac tgaagtccga ttcagggtgca taatatatcg agacgctcga gatagaacat 60  
 cggaagctct cgagaaattc caatgggtcat aacttttcac acgaaactct gaatcaagcg 120  
 cataatatat cgagaagctt gaaatngaac aacggaagct ctcgagaaac tcaaatggtc 180  
 ataacttate acaccgatgt tcgattcacg cgcataatat atcgagacgc tcgaaattga 240  
 acaacgtatg gtcgagagaa attcaaatgg tcataacttg tcacacggat gtccgat 297

<210> 11464  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<400> 11464

agcttgatta atcttggttaa tcatgtagct ctgcagatga tggagaatga tgtggttgct 60  
 gttgttggtc cactgtcatc tggaaatagct catgtcatat ctcatgttgt taatgaactc 120

catgttcttc ttttatcatt tggggcaact gatcccaact tatcttctct acaatatccg 180  
 tatttcgtcc gcaccactca gaacgactat ttccagatgt atgcaattgc agactttgtt 240  
 gattattaca gatggaagaa ggtaattgcc atttacatag atgatgacaa t 291

<210> 11465  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<400> 11465  
 agcttgctcag aattctggga ctgttggtga ttcaattggg tagccaattg tcccatctga 60  
 ttggttaagc tctgaatgga ggctctggtc tcttgctgaa actgcatgtt ctgcatagtc 120  
 attgcctca caagttcttc gaggaaggt tgtggagggg cctcaactgt ttgctgtttc 180  
 tgggggttgtt gttgttcttg gattggtgga ggaatgtatg gtctgcttaa gccaacagca 240  
 ttttggaagg aaggagcagg ctgctgttgt tgttgctgag ggctggacca tctga 295

<210> 11466  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<400> 11466  
 ctggctcttc atggccatta gtagtgtgtt cttctctatg tctaccacac agcttgcgga 60  
 ggacataaaa tgtctgacaa gaatgacgcg aatgtcacca tcttcttcga tctctatcac 120  
 taccaaatca tcaagaaaga tcatatgctc gaccctaacc aaaacgtctt ctatcactcc 180  
 atatggtctc gcgatggatc tatcaaccaa ctagacggtc atgtgtgtgg gcgatgatcc 240  
 tatctc 246

<210> 11467  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<400> 11467  
 actcggatgt ccgattctag cacatcacat atggagacgc gcgatattga acaacggaag 60  
 ctcttgagaa attgaaatgt cataactttt cactcggatg tccgattcat gcacatcaca 120

tatcgagacg ctcaaaattg aacaacggaa gctctcgaga aattcaaattg gtcataactt 180  
atcactcgga tg 192

<210> 11468  
<211> 293  
<212> DNA  
<213> Glycine max

<400> 11468

agcttttctaa cccatggaag ctccataatat cttccacact ttttgggggtg ggccattctt 60  
ggatggcctt gattttctca ggggccactt ggatccatt gttaccaact ataaacccta 120  
ataagacaat attatctata taaaaagtac acttctctat attttcatag aggggtgtttt 180  
tcttaaggac tgaagaact tgctaagat gtctaagcg atcatctagg ctccactgtt 240  
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctt 293

<210> 11469  
<211> 303  
<212> DNA  
<213> Glycine max

<400> 11469

tgtgtttaac attcatatat tctcattgta agcatatatg gtctgtaacc ttcaaccttt 60  
tctattttgtg aaagcctgga gagacttagt actccctctg ttcctatcta taagacccaa 120  
gtttggaatg gtgtttattc atttttataa gaaccaatct ataatgcttc ttgcattata 180  
tattggtata ataaaaataa tcttcaataa aagaagaaag agaatgtatt acaaatcata 240  
taagagagaa gatattacga caagatatatt tgaaaagtac aattaaggca attatactat 300  
aac 303

<210> 11470  
<211> 224  
<212> DNA  
<213> Glycine max

<400> 11470

taaaatatct tcaacaggcc catcttttta cttgaatctt gaatggctgt caaaagccta 60  
tatatgtgag acttgggaca ccaatttgct aagagttttt cacaacaaaa acgtattata 120

ctcttaatac gccaatcggt ttatcctctc acacattcct tggccaaatt acttgtagt 180  
 caataaggca ttatttgggc gctcaaagag ttcaatctat ctct 224

<210> 11471  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<400> 11471  
 agcttgccac actcacacga tactaatata cgaatattta taatttttgt gaggtggagc 60  
 atatatttta gcattattgg ccataaatgt ttattaaaca aatgtacaat atttagagaa 120  
 aaccttatgt ttatgttatt attctaata taagtcacac aatgatcaat ttattagctt 180  
 tcataataaa tatctcaaaa atgtattggc ttttataata aatatcttaa aaattaattt 240  
 aaactgggat gactatttaa ctctaataatt tatgtatatt ttttaataaa aaaaacatgc 300  
 tt 302

<210> 11472  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<400> 11472  
 agcttctata gaaggttcgt ttctaatttc tctacaattg catcacctct caatgagctg 60  
 gtgaagaaaa atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120  
 aaagaaaagc ttactaaggc acctgttcta gctctttttg actttttctaa aacttttgag 180  
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tggtacaagg agggcacctt 240  
 attgcttatt ttagtgaaaa acttcatagt gccacccctc actaccc 287

<210> 11473  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<400> 11473  
 agcttgtaat ctattacaca aatactgtaa tcgattacca gaggagattt tcaaaaaata 60  
 ttctcaacag tcacatcttt ttatttgggt cttgaatggg tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt ttcagaaaga aaagggtctta tcctcttaaa 180  
aagcaaaatc gttttatcct cttacaaatt ccttgcccaa aacacttggtg attcaataag 240  
gaattatttg agtgcgcaca ttgttaaate tatctcttctc aagagagatt tcttcttctc 300

<210> 11474  
<211> 393  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11474

atctaataaa ataataataa ttagttgtag gaattattaa atttagtata tacaaattgt 60  
ttgttgaatg aattaaattg actntaccca aagttacttt taaaataaca caattaaata 120  
taaagtatat atataaaaaga cagtaaaata gaaattttat attataccta caatgaatat 180  
atgaaacana aaatgaaaat acgactctat gtatataaaa nacagaaaat aacgcaagaa 240  
aagagagcaa aaagaattcg tcaattgtng caaaataaaa aagggatatt tntgttatnt 300  
aaataacaat agcttcaaca tgtatgaaaa tgctgtctcg aggcangaca tgacaatnga 360  
acatgcanac aatccgatca tagaaacatt gaa 393

<210> 11475  
<211> 295  
<212> DNA  
<213> Glycine max

<400> 11475

agctttacaa agttttcaaa cattaatgaa taaaaataa catattgaag ttgctattaa 60  
cagacaacga gacttggatg aaagagaata taggattcgt ttgataacaa caattggctg 120  
tatttgattt ctattgaggc aaggattggc atttcgtggg aatgatgaat aagttcattc 180  
aaaaaatcaa ggtaatttcc ttgagcttat acattttttg gccaatcata atgaaaagat 240  
tgataagggtt ctaaaaaatg ctctgggaaa tctcaaaacta gtggcaccta atatt 295

<210> 11476  
<211> 284  
<212> DNA  
<213> Glycine max

<400> 11476

agctttgagc aaattcaaac tacaataact tttgaatcga atgtctgatt gggcttcata 60  
 agatattgag acgctcgtaa ttgaaaacag aaggctcttag aaaaatcaaa tgacagtggg 120  
 ttctaactcg gatgtcctat tgagccctgt gatatatcaa gacgcgcgaa attgaaaacc 180  
 gaagctctga gaaaagtcaa acgacaatta cttttaactc ggatgtccga ttgagtcccg 240  
 caatatatcg agacgctcgt aattgaaaac agaagctctg agca 304

<210> 11477  
 <211> 431  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11477

nttatcactc caccctaaac ttgccttcaa gtttaccat tataacactg ctgacaaccg 60  
 cgtgaaagat gtacaccctc catacaatgg tgtgttgga tccagttcta ttgtatcata 120  
 cagagggtga tgcgcttgct caaaagtctc ttgtccaaga tcacagatca ttctctctat 180  
 acgctctccg ctgtcttcgt gtaccgctg agactgagaa acagttggaa tgcggccga 240  
 ttccccatgc catatccatt ttgtgtaatt cggaatgatg ccgtaacata tcagatgtga 300  
 tcggatttca tcaactgact gtcgtctacc attaagacat ttaacacatg ggcaaaaaata 360  
 attgcccctc aaactttcgg cattaagttg cgtaaatgtt agaaattgtt ccaccccggt 420  
 ctcatactcg t 431

<210> 11478  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <400> 11478

tcaagaaaaa gatggcctca gcaaatctct tatttcata ttggaattct atcaatagac 60  
 ctccaatctt taatggagag gggttaccaca actggaaaac ccgaatgcaa atttttattg 120  
 aggcaataga tctaaatctc tgggaagcca tagaaatagg gccttatata cccaccacag 180  
 tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaatcta 240  
 gagatagatg gtctgaagag gatagaaaaa gagtacaaca caacctaaaa gccaaaaaca 300



taataacatc tgccttagga atggatgagt atttcagagt ttcaaatgt aagagtgcta 360  
 aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420  
 ggataaatgc act 433

<210> 11479  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<400> 11479

tgtatgcaac tgggcccac ctcgcgatta ttctaattgg tccatagaaa cgccttgaaa 60  
 gcttggttg actcgttccc gacacgtgg ttaccgata cggctcaca ttgactagga 120  
 cccattcatt cacttggaac tcatgatctc tacgatgcc atccgcgatt tccttcatgc 180  
 gagcctgagc cttctgaagt ttttgtcgaa gtagggcaaa catgtcctcc ctctgactga 240  
 gcaattcacc cactgcccgc accgtagaag tgcccgtaa gtactgtgga aaacttggtg 300  
 gtttgccggc aaaagtgatc tcgaacggcg tcagccctgt ggctgaatgt gtggacgtat 360  
 tatacaacca ctctgccac atcagaaaat ggcccatgc gcttgcccg cgatgcacga 420  
 acgctcgt 428

<210> 11480  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11480

cgctggcttc tgcagaccaa gaaaaannat cttttttcaa tatttcattt agnggntngg 60  
 ctatggtgtt atatctacac acaaaccttc tataatagcc taccaaaacc aaaaatcctc 120  
 tcaactgttt ggggggttga gaaagaggcc aattcctaac tgctgccacc ttagcagggt 180  
 cagtagagac tccctctccc atgataaaat gtgctaaata ctccactcta gtaatactc 240  
 aaagtacgca cttatatctc ttggccaacc atgcatttgc tctcatggta gacaagactg 300  
 tttgtaaatg atgcaagtga tctccatgc tcttcttgt aataagaatg tcataaaaaa 360  
 gaccaacaga aacctctca agtattctcg gaacaccgaa ttcac 405

<210> 11481  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11481

ggggctgcgc gaacgcagcc ctttttacca attgataaag angcacngcc aaagaggaga 60  
 ccttagggga caccatccc aatgcaatga aagtcagcaa catatgccat aagccttctt 120  
 gatcacccat ccaccccatc caggaaagta tatattaatc gaagctgggtt ggaccgtata 180  
 tatactgtca accactgaat gcattcatgt ttcagtacga cgtgggacta acaattacaa 240  
 cgttgcagaa ctatcaatac tgtggattga cacac 275

<210> 11482  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11482

gcttccttca tcgtagttat ccacgaagcc gtaatattta ttctgggtcca aangccaaaa 60  
 gattttaatt ctctgggtta gtacccaata tgcatttaca tcacctaaaa ggattttata 120  
 aaaatggcgc ctcttcttgg aatcacccctt gtttttatat tgtttcttag gctcctaaaat 180  
 tctgccagca gtatcagctg acgctgatct tgaacctgac tgagacttta aaccacgggt 240  
 aacaatactt tgactagagg atccaaaaaa gggcaaacca tttaaaccctt tcatagaaaa 300  
 tccagtacag cttggatcaa accttgaaga tagcactcta gctgcattct cctcaagatt 360  
 ttctcttcca tcttgcaaat cgccagggtat tntacaactt g 401

<210> 11483  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 11483

tggttcttgc agaccaagaa aaattatctt ttttcattat gtcatttagt ggttgggcta 60  
 tgggtgtata tetacacaca aaccttctat aatagcctac caaacccaaa aatcctctca 120  
 actgtttggg gggttgagaa agaggccaat tcttaactgc tgccacctta gcagggtcag 180

tagagactcc ctctccaatg ataaaatgtc ctaagtactc cactcgagta atcctaagt 240  
 agcacttaga tttcttggcc aaccatgcat ttgctctcat ggtagacaag actgtttgta 300  
 aatgatgcaa gtgactctcc atgctcttcc tgtaaataag aatgtcataa aaaagaccaa 360  
 cagaaacctc ctcaagtatt ctcggaacac cgaattcatt aagccttgaa atgtggcagg 420  
 agcatt 426

<210> 11484  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11484

cttgagtcta taggttatga ggtgaagttt gaggctacta ttgttggatg ttgctctgt 60  
 ttaatgacaa gcaattacaa taccattgga gagtttgatg ttaaagagga agaggtaaag 120  
 gaaggaaggg aaagtggatg tgcagtttac agagttgtgg agtcatacct gctagagaac 180  
 ccacaagtgt atgcttaatc atctatttat ttattgtgtc atgtatcata agatatacaa 240  
 acatattcaa atttttaata gcagtggtgca accaaatata ggggtgttta gaatgggtgc 300  
 aaagacttga attccttaat aagtccttat tgtatgaaca gcaaaaaaat ggcgagtggg 360  
 ttggcaaaaa tatttgtatt ttggtagtaa caaagagtc cagagtnagt tgttttacct 420  
 ttacttcatt aat 433

<210> 11485  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11485

tctaaacttt atacaagtat gaagctctga taccactttt tggacaagtg gcctcagata 60  
 tcttaagaag ggggggttga attaagatat taaaacttaa ttccccaatt aaaattctat 120  
 ttcaactttct attcaagtta taaattccct taataatgaa tttcttaaatt attgattcaa 180  
 ataaaacaat ttgaatatga atataaaaca ataataaata aatgagttta agagaagaga 240  
 aaatgcaaac tcagatttat actgggttcgg ccacaccctt gtgcctatgt ccagtcctca 300

agctaccgc ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360

aggacaaccc ttcttttggtg tttagaattc tttcacaaca agagaccctc ngctctc 416

<210> 11486  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11486

tgtcttcaac aaacaaatca aaatcaattt tctgatcttc ataacctagc tccggcttcc 60

ttttcccat atcaactatg cagcttgagg tcaacatgaa tggccttccc aatattacag 120

ggatgtcagt atcttcagag atatccatta ccacaaagtc tgtcgggaag ataaaatgtt 180

ttactctgac caacacatct tcaattactc catatggcct ggtaatggag tgatcaacta 240

attgtaaagt catttgagtg agcattattt ccaactctcc caatcttttg cacatggaga 300

gtgacatcaa attgatactg gatcccaggt caataagagc ttttcccaca ttgacttctc 360

caattgaaca aggaatagtt acaactccag gatctttatg cttaggtgga aggatctttn 420

ggatca 426

<210> 11487  
<211> 420  
<212> DNA  
<213> Glycine max

<400> 11487

tgtaggtaaa ctagatgcct tggtaatct ggtaacctat ctggccatga ataaaaaatt 60

ttcacctgtc gccagactct atggtttatg ctctctatt gaccaccaca cagacctttg 120

cccttctgtg caacaatctg aagcaattga acaacctgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc agcagcaaaa tcagccacaa caaaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatcccaac cttagatggc cgaatccttc 300

acaacaacag caacaacaac aatagcctta ttttcaaat gctgctggcc caagcagaca 360

tacgttcttc caccaatcca gcagcaacaa caacaacaac aacccagaa acaacaacaa 420

<210> 11488

<211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11488

ntactgtgat aataaatcat ccatagttat tgctaacttc ctcattcaac atgacgtac 60  
 aaaacatgtg aaaattaaca agcatctcat caaagagaag attgaagatg gtattattgt 120  
 ctttcctttt gtaaaatcag aacaacaact tgctaatatg ttgactaagg caatatcacc 180  
 taaggccctt agtagttctc ttgataagtt gggaatgtgt gacattcatg caccaacttg 240  
 agagagagtg ttagaatcca ttaactgaag ggattagcta tgatttgaat ttaaattata 300  
 attgatctaa atccctgtat attttctct nttttatttg tgattntatt ttgatatttt 360  
 gtactaataa tcatggaaaa atgatagaaa ggattatgta tttattcatt gtctcatatt 420  
 aatg 424

<210> 11489  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11489

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 cactagtaaa gaagtctcac attatgtgga actaagaaaa ctaaagaaca taaaaataag 120  
 aaaattataa atttaaatgat taaaattttt tccttaattg ttgagaaaac tcaagtctca 180  
 tgtcagttta aaataaaatc aaattaaaat atataagtga agaacaattc tcacactaat 240  
 ttttaggatt gaattagacc taaattcata ttctaagatt ctaagattct aagattgtgt 300  
 taatgataat gtccatactt tttagagtca agttatactt aaactccat tctaagatta 360  
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 tgaaaa 426

<210> 11490  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 11490

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tgacacaatg gtcctaggta aaccatggag tctcacaact tccctgaaaa agagttttga 120  
gatgtgagaa gcatcatcta ccttgtggca tgggtataaa tggtccatct tgcataacct 180  
atccaccaact acaaagatag agtctacacc tctttggggt ctaggaagcc caaggacaaa 240  
gtccatacta atgtctacca aagggtgcaga tgggatggat aagggtgttg atgtagctcc 300  
atatggagct tgtaggcctt ggatatactt tatcaatgga gtcccttgcct tcttgaagat 360  
caatggcagc cgaatggaga tggaagatag atgatt 396

<210> 11491  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11491

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atctcatatg gaagaagaga tcgatatttt tttatattcc atactagtat gatctagatg 180  
ttagacatag tattgatctt atgaatatgg agaaaaatgt gtgacagtgt aatcgacatg 240  
cttcttaaca ctaaagggag gacaaaggat ggtttaaata ctctctcaata tctagctgag 300  
atgtgtatag gtgaccagtt acgtccaagg tctgatggta agaaaatata ttagcctcca 360  
gcatgtcata ctttgtttat aaatgagaag aacaagtttt atcagtgtct gtgatgtgtt 420  
aaagtaccac ag 432

<210> 11492  
<211> 430  
<212> DNA  
<213> Glycine max

<400> 11492

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attgatccga cgttcaatat tttatccact aaatattaat ataatttatg gcgtaaatac 120

ttgagttgag aatcaattat ttgagagatg aagtagtcag acaatccaaa taattaagag 180  
 acattatttt tctgtcatga gcatctttaa tgttaaacad tagtatatct tctgtattaa 240  
 acatcattag accaatagag ttgcctaact ttatttttat gagctctatt atataacatc 300  
 ttttaataaat ttaacaactt ttttcacttt ttaataatgt aactcttcat atctaactta 360  
 aaatagatct aataaattat tgtagatgtt tatatttttt taataaggaa ttattttaat 420  
 attaaaaaca 430

<210> 11493  
 <211> 340  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11493

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 gtcgatgatg tctccaatgg gcatgggatt agggatgggt atggggatgg gtatgggaatt 180  
 ggggatggat atgaactnca tgaaccngnc tcacatncct ggcacccctc cagtcctcca 240  
 cccctctgcc ttcattgccca tggcagcctc gtgggatgcc gcggccgcat ctggtggcgg 300  
 tgaccgaact ctatggactc ccgtcaacgt gatgcctgac 340

<210> 11494  
 <211> 427  
 <212> DNA  
 <213> Glycine max  
 <400> 11494

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 tccatatgct ggatagtcac tgatggtaca aaaaaccatt gcacgcaacc taaaggcttc 120  
 tgcgagattc ccatccaca tatctaccct gtgttcccaa ttttttgtca agtcttctat 180  
 caacagatgc aagtagacgt caatatcatt ccctggatgt cttagatccg ctatcatcat 240  
 gcaaagcatt atgtactttt gcttcatgca caacgaagga ggaagggtgt aaatcattag 300  
 caaaacaggc catgaactgt gattgctgct taagttacca aatggattca ttccatcgaa 360  
 agcaagacca agccttagat ttcttggctc attcctaaag gtctctcgca gattcccatc 420

ccacata

427

<210> 11495  
<211> 318  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11495

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atggggaaaa aacctgaagg agacaaagga aacagccctg gcgaaagtgg aggctgcggc 120  
ccggagccta aaatccccga ctgtgcaaag ggtgacaaag ggaaatgggg agtaaaacga 180  
gatggaaact gaatgccagg ggacaacagt ggtggataac cagactgagg ggagagaaaa 240  
ttcatgtagc catttggtga atgcaagaga aactgagagg ttggagaagg taaggtaaat 300  
atgacgccat ttggttgt 318

<210> 11496  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11496

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tgcttccggt gttaatttc aagcgtctcg atattttatg tctcaaate agacatcgga 120  
gcgaaatggt atgaccatc gaatntgtcg agagcttccg tttttcaatt tcgagcgtct 180  
agatgagtta tgtcaccgaa tcagacatct gagtgaatg gtatgaccat tctaatttgt 240  
cgagagcttc cgttggtcaa tntcgagcgt ctagatgagt tatgtcaccg aatcggacat 300  
ccgttgaaaa agttatgacc attcggcttt gtcgagagct tccgtgggtc aatttcgagc 360  
gtctcgatat attatgctcc cgaatcggac at 392

<210> 11497  
<211> 455  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 11497

cactntgatt ctctggtttg tagtacagta actacacttc tccttccctt ngaacttctc 60

ttagaagaaa aagctntatc ttgaaatgct tagttttgcc atgaaacact ggatcattag 120

caattgagat tgcagcctgg ttgtccacaa aaatatgtgt gctctcttct tggttcatat 180

gcanaattgt cataattctc ttgatccana gagcttgatt cattgcagca acagcagcta 240

catactctgc ttctgcagtt gattgagcta caacttcttg cttntagaa caccaagaaa 300

agactccaga accaaagгаа aaacaataac cagatgtgct tctcatgtca tcaatacaac 360

ctgcccagtc actatcagaa tatccatgga gcttanatta tgagaatgag agtacatata 420

ccatagtcta aagtgcgtca acatatctaa taact 455

<210> 11498  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11498

atacacggat gtccggttga gtcccgtaac atatcgagac gctcaanath tagatccgaa 60

gctctggcaa aatttaattg acaataactt tatacacgga tgtccggttg agtctataa 120

tatatggaga cgctgcaaat ngaaaacgga agctcatagg aaattcaaac gacaataact 180

ctntactcgg atgttcgatt gaatcgggta atatatcgag acgctcaaaa ttgagactag 240

cagctctgag caacatttaa tgacaataac tctatacacg gatgtccggt tgagtccegt 300

atttatcgga gagcgtctca atngagaatg gaactcttag aaaattaaac cacaataact 360

tttact 366

<210> 11499  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11499

gctcacctcc ttgagaagct tgcttaagag aattcctaaa gaagctagag cttagcaaca 60

cacacatctc taatagctaa gctcacctcc ttgagatgag aagctagagc ttagctacac 120

nacccctata atagctaagc tcacccccgt gacacaaaaa agatgaaaat acaaaaagaa 180  
aagtccttac tacagagact actcaaaatg ccccgaaata caaggctaan accctatact 240  
actagaatgg ccaaaatata agggccacac gaaggcaaac ctattctaatt attacaaaga 300  
taagcggctc atacttagcc catgggctan aatataccct aaggctcatg gagaacctan 360  
ggccttcctt tgatctctag cccaatctac ttggagtct 399

<210> 11500  
<211> 305  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11500

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ttctcgagag ctctcgtngt tcaatttcaa gcgtcccgac atattatgag cccgaatcgg 120  
acatccgtgt gaaaacttat gaccctttga atatctggag aacttccgct gttcatttct 180  
tagcgtctct atatgtgatg cgcttgaate ggacatccgt gtgaaaagtt atgaccatat 240  
gaatctctcg agagctctcg atgtgtaatt tcgagcgtct ctatatatta taagcctgaa 300  
tccga 305

<210> 11501  
<211> 362  
<212> DNA  
<213> Glycine max

<400> 11501

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acctctcaag gacttggtea ggatgtctac aagctggctg ttggagataa taaattcggg 120  
actgatttct ttggaccgta gcttttccca cacaaaatgg aatcaatctc tatgggtgta 180  
gctctctcat gaaatacacg attagaagcg atgtgaagag ctgtctgatt atcacatac 240  
aacttcatct attgaacacc acaattttta ttcttgaaga agttgtttta tccacaccaa 300  
ttcactagta acaagagcca tagctctata ttctacttct gactcgcac aggcacaac 360  
ac 362

<210> 11502  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11502

acttaattac aagatattct tatgcatagc agttatcagt gttcaaaact aaacctaat 60  
 attagtaaat tgctaaatca atccaaaaaa gattgaatac cgcaataccc aaaaattctca 120  
 taaagtgggc attcttttgc tatctcattt gttctttgga tcttgctata aaaaattgaa 180  
 ccaaactgaa taaaccacat aatttaatta tattacattt tattgtggta attaataata 240  
 atttattact ctctctttgg ttataaccaa gatgcatatt tcactcttat atgttaaaaa 300  
 agaatgtact aatattgtta aaaatagtat taaatatcaa gtgaagcaca tattactata 360  
 atgttaaaca cagagagttg gtaatatcat tntatattag tgctacactg aagtganata 420  
 acaatcttta ctaatatata ttac 445

<210> 11503  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11503

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 ccttcacccg acgaagacac tggcaaaaac ttatcttctc tttattggac aaagtatggc 120  
 aggtcggngg caaagtaaat ttcttcccat cagaccttgg atgcaactgt gctcttatac 180  
 ccatatcagc tagatcttga cgggtattca agccatcctt cgtcttgcct tgaatgttaa 240  
 ggagcgtccc aatcacactg tcacanaaca tttctctcac atgcataaca tcaatacaat 300  
 gtctaacgtc aagatcacac cagtacggaa gatcaaagaa natggacctc ttcttccata 360  
 tgcaagtctg ac 372

<210> 11504  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11504

taatgtatct atatgtacat ttattaatat aaattntata tataaaaagaa aagttaccat 60

aataaataat tgtttttatt aaatcaaata agagaccaat aaaaaattta tccgaaaaca 120

cattanagaa ttaaattatt ggggtgaataa ttntttttat ttcattgcta taataatata 180

aatatatttt tatgaataat tttatataaa taaaattaat gtttaaaata aatntgttta 240

gacaagttat tatntaattt tntaattatc atcttcctac ttaatgtaaac tgggtgatgaa 300

tatctcttac ctacatanaa tttgaattta tntatacatt gatatctata tatgtaaaagt 360

ggttaatata taaagtatat at 382

<210> 11505

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11505

ttaaagatgg ctagatttgt taaacatatg cacttagtct atgaaggaaa gctggagatg 60

ctgcacaaga tgtccaacgt tatgtcaaag aataatatcg ggctgcacaa tgcacaaagc 120

aagataaaat gtcaaatgaa gaattgaagc ttgctgatgc acgatgtcgg atacaatgtc 180

caggacatcc tgctgaaaa tactggaatt gctaaaagca ttgaagctgc aggatccacg 240

atgtcngatt caatgttcat gacatcctgc ccgaaaatac tggagttgct aaaagcactt 300

gagttgcagg atccacaatg tcggattcta tgtccaggac atctngcccg agaatactgg 360

acatattaat ctgttatatc tttacagatt att 393

<210> 11506

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11506

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ctttgacatt ctntgtgtgg gagcgattgg acaaataaac ggcacatgca acagcttcng 120

cccnaattc ctttggcata nttttagcct tcaacatata tctagtcata ttaagaatag 180

ttctattttt tctctccgct accccatttt gntgtggaga tctaggaacc gtttagagggc 240  
 gacgaatccc atatntttca caaaattcat tanattcttt tgatgtgaat tggccacctc 300  
 tctcgatct tagagctnnt gatacataac cactcttctt ttcacaagag ctcttaaaat 360  
 tt 362

<210> 11507  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11507

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 tgggtggccgc ttctccccgg tagcaattng gtagtccttt ccctttaagc atacacctag 120  
 ccatatctaa tagggttcta tatttacttt ctaccaagcc attgtgttta agtgtataag 180  
 gagctattac ctcatgttca attccttttag tttcacaaaa ttctttgaac tccttagagt 240  
 tatattcacc cncctcatct gttctaagga tttntagctt caattcagat tgtctctcaa 300  
 ctaatttgag agcgagagaa tattgcacct ttctctttca atagatatat caaaatactc 360  
 ttggttaatt catccacaca agtcaggaaa tactgatgag gacatg 406

<210> 11508  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11508

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 aacttattgt cgtttgaaat tgctcaaagc ttctgtatc aatttatggc atctcgatat 120  
 attaagggac tctatcgaa atttgaggaa aaagtatttg tcatttgaat ttgcttgga 180  
 catctgtttt caatatcgag cgtctggata tatgatggga ctcaatcgga catccgatgt 240  
 taaaggaatt gtcgtctgaa ttctctcaga gtttcagttt tcaatctcat gtatctcgat 300  
 atacttaaga cttaatcgga cttccgagta aacatttatt gtcgtttgaa ttagctcaga 360  
 acttcagtaa ttcattataa gccgctctga ttaataaatg actg 404

<210> 11509  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 11509

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 atacgccagt gtgactagga gtgtgggtgt taggttcac aagaaaaaga taatttgctg 120  
 gtatgggttg cctacgaaga ttatcactga taatgccacc tatctgaaca ataaaatgat 180  
 gaaggaaatg tgtgaggatt tcaagatcca acaccataat tctatgcctt gcaggcccaa 240  
 gatgaatggg gcagatgagg ctgctaataa gaacatcaag aaaatagttc agaagatgat 300  
 cgtgtcatac aaggattggc acaagatgct cctctttgca ctacatgggt attgaacctc 360  
 gatacgcac tctactgtgg caaccccggt ctctttgggtg t 401

<210> 11510  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11510

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 caccnctat aatagctaag ctcaccnca tgacannaaa acatgaagat acaaaanaga 120  
 gtecttacta caaagactac tcaaaatgcc ccgatataca aggctaaaac cctatactac 180  
 tagaatggcc aanatacaag gcccaaaaga aggaaaaaca tattctaata ttacaaaaga 240  
 taagcgggct catacttagc ccatgggctc gaaatctacc ctaaggctca tgagaacctc 300  
 atggcctacc ctnggatctc tagcccaatc tacttggagt cttctacca at 352

<210> 11511  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11511

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caattgtttt ataactattg ttgactatat ctggtacagc tcaatcagtt ggcacgata 120  
 taaaaaaatt tggcggaata ccagatgcag atataacaca ggtaacatct ggttgaattc 180  
 acttttaaaa aggttgaaga ttctattgat tattattaat taccactatt gtgttcgatt 240  
 tgaatatata tatatatatt ctcaaggctt tcaactgatgc tctgaatgta gcactgtcat 300  
 taacaagngc atgcaaaatt gtaattccaa atgggacata caagatgaaa gtcattgatg 360  
 taaa 364

<210> 11512  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11512

gacaaagaaa ttaaagatat tcaagatgga tgatcataga cagtctctag agtcttagga 60  
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 tttaagttaa aaagtctttn tcaagagatt tactctctgg taatcgatta ccagaggatg 180  
 taattgatta ccagtggcca aaaatgattt acaacagcta ttaaaatttg aattcaaaat 240  
 tngcaactgtg taatcgatta cacatatatg gtaatcgatt accagcagtt attgaacgtt 300  
 ttatattcaa atttaaagct tgtaatcgat tacacacata ctataatcga ttaccagagg 360  
 agatnttcag anaatattgt caacagtcac atcttttcat ttggttcttg aatggccatc 420  
 anaggcctat atatatgtga cttg 444

<210> 11513  
 <211> 346  
 <212> DNA  
 <213> Glycine max  
 <400> 11513

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 cctccgagtg aaaagttatg accatatgaa tcgctcaata gctttcactg ttcaatttct 180  
 agcgtctcga tatgatatac gcctgaatcg gacctccaag tgaaaagttg tgaccatttg 240  
 aagttctcga gagcttccgt tgttcaactt agagcgtctt tatattttat gcgcgtgaat 300

cagacctccg agtgaaaagt tatgaccatt cgaatatctc gagagc

346

<210> 11514  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11514

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gaatgtgtca catgccanca gaataagaat agtcacaggc gccagctgg tgtactgcaa 120  
cctttaccga catcagaggg cgtgtgggaa gacctctcta tggacttcat caccacttg 180  
ccaacctcca atgggttcac tgtcatccta gttgtgntg atcgtgtntc gaaaggagt 240  
catctatgtg ctctttccac cggattcacg gcgttcaaag tcgcaagcct attcctcgat 300  
atcatatgcc aactacatgg gtcccgcaag agcatcgtgt ctgaccggga ccttatcttc 360  
atgagcaagt tct 373

<210> 11515  
<211> 364  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11515

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caatagttaa agaggttcaa atttcatcaa caacagttgc gagataggaa gaaattcaac 180  
aagagaacgt ggaagaggct atgcaagcat aaggtatgat aaatctcaaa ctcaatgcta 240  
taattgtcaa aagattggcc actatgcttc taaatgtaga ttcccaaga atagagttga 300  
ggaggagact aactatgtgg agcaaanaga cgagaagntt gaaacaatgc tcttagcatg 360  
tgga 364

<210> 11516  
<211> 416  
<212> DNA  
<213> Glycine max



<223>        unsure at all n locations  
 <400>        11516

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tacatgcata tatgtcacaa cacaagttt ccttgggtaa tctgagttga aatctttagg  120
gtgtacaact ctaacttatt ttaattctac atcatataat tagagactnt aattagtcac  180
caactaatta aactaaaatt ctacttgta aaccagtata taagttatta caaaaatggt  240
ctccacttta cactcttatg agttcattac nncctttcta attcaatgga atctagatca  300
ccattaatca accttaatta gtctcagta aattctaagt ctacttacat taatttataa  360
tggtctttca cgcgtctaaa ttctatttct agaccaagat ccaattatta acatct     416

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<210>        11517  
 <211>        391  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        11517

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tcatgttggg taactggatt ttttaaatgt agttattttt gtgtaaaata agaatgatat  180
tggtttgaac gaatgcagta tatgcagcat gatgtgctac atgtggacga ttggcatgaa  240
cgatttttaa aaatattggt taagcatatt atatatagca gtgcatatta tgctaattatt  300
catcttgact cacaattaaa ttctatatct acaaaaataa aaattgtctg tatgtcaaca  360
atgtagctgg ataacgtaat attacattat a                                     391

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<210>        11518  
 <211>        424  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        11518

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attgaatgga ccttagatgt aacaaatact attgtttggg tgccctgtcaa gtactagtta  120

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caatgtagtg tcatatcatt acttaattga cgataaagat tcaacacaag gtttgatata 180  
 tcaagaaaaat aatgttacc ccaatcatttat tgaagaccca aaataaanag attgtcatct 240  
 atcaatgaat tcaaacatat ttatatcttt cttttattaa caagaagttc acgtgtgaat 300  
 tattaataag ctcttattaa taacattata ttgatagng cttattaacc tgttacctaa 360  
 tatTTTTaga atttgaaact ctttacccaa ttttaattga tctagcacia aatgtcacac 420  
 aact 424

<210> 11519  
 <211> 337  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11519

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 ctattatact gtccgaaca gccatataga ctcaaatata taagtgaatt gaggcacaat 120  
 atgctgttgg gtaagcttac tagactntta cagtcttcca aaatcaaata ttcaagctct 180  
 cttagaagac cgacggatgg attgatatgc ttgagatgtg tacatccttc aagagttaga 240  
 tgttgaagat ttacgtcttc tntgaaatgt ggtaactcaa caagacttgt gcagtcttcc 300  
 aaattcaaat aagccagctt tcttagaaga ccgatgg 337

<210> 11520  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11520

agctatactg canacatcta caatagacct cctcaacctc agcagttaaa tcatccacta 60  
 cagaacaaat atgacctctc cagcaacagg tacaatccta ggtggaggaa tcatccaaac 120  
 cttatatggt cgaatccttc acaacaaca caacaacaac aacaacctta tttttagaat 180  
 gttgctggcc caagcagacc atatgttctt ccaccaatcc aacaacaaca acaacaaca 240  
 caacaacaac cctagaaata gcaaatagtt gaggtctctc cgcaaccttc ccttgaagaa 300  
 cttgtgaggg aatgacttat gcaaaacatg cagtttcaac aagagaccag aagcctcatt 360

cagagcttaa ctaatcagat gggacgaatt gctacacagt taaatcaaca acaattccaa 420  
aattctgaca gattaccttc tcaatctgtc tagaatccca aaata 465

<210> 11521  
<211> 301  
<212> DNA  
<213> Glycine max

<400> 11521  
gtttcttgag agatcaataa aggaaagggg tgtggaagat gaaatgtcat ctggaattcc 60  
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cacaggaacc gtcccgaaa gaaaattgtt ctgaattcta acacgaacta gtgaaggaca 180  
cattgatagg cttgatggaa ttggaccagt gaatgcattg ttgaatagta taagcatggt 240  
gagaatgcc tggctgcaaa gagtttctgg aatctctcca gagagtgaat tggatgatac 300  
a 301

<210> 11522  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11522

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atcctcttct atgtctatca caacaaaatc agttgggaat ataaggtgtt tcaccttcac 120  
taaaacatct tcaatcactc catacggctc tgtgatggat cgatttgcca actaaagggt 180  
catgcgtgta ggcattatct caagctctcc aagtcgccg cecatgaaga gaggcattag 240  
attgatacta gtccccaaat ctatgagagc ttttctata gcaacctcac caatagaaca 300  
tgatattgtg acaactccag gatctntgtg cttatgagga aaaatgcatt gaatcacagc 360  
actacaattg ccttcacca taattcaatc attgtggatg taccggttct tcttcgttaa 420  
catatctttt aaaaatatgc atagagtgc at 452

<210> 11523  
<211> 378  
<212> DNA  
<213> Glycine max

tacctcagct ggtntcataa gatcatgtnt actccgtcgc acgttgagca agttttgcac	60
agcttgcccc tctatggaca tctcaccgcg actagctctt actctggcct gaactcgaac	120
caatgctctg atgcacctta atgtcccccgc tgtctgcttc ctcaactgtc tccccccgaa	180
caagtgccttg aatcctcacc actgccttca atgccctcaa agccctctct gcttgcaatc	240
accacacaag tgatgtcgaa atataagggtt ggtctagtgg taaaggccga acgcataatg	300
aaaagggtgga gagggccatat gttagaaact aacaatccta gcaattaata tttgtctata	360
aaaaaaaaata gtgaatgt	378

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<223>      unsure at all n locations
<400>      11524
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ttaaccatct	caagacaaat	ggttgacttt	gacgtgatat	gaaatctatg	tacgcaattt	180
acataatact	tattgtaaaa	aagatttaat	aataataaat	atagaaaaat	atcttaatgg	240
aaatncaact	aataatcctt	tataaataat	gagagcagtc	aataagatat	gtgtcttagt	300
tagttaatta	cattaatatt	atctnttatg	tattattatg	taagattatt	tcttttcaaa	360
tatcaaaatt	atattctaac	aatattaata	tataatattt	ttatatatgt	catata	416

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<223>      unsure at all n locations
<400>      11525
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4876

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 cagttaatcc aaatgcttca tacanagcan gctgcacaaa ggctcctctt gtgtcagcga 240  
 tgcaacggta gagctctcca ttgcgatacc tattegtctg tgcageaatc catctaaatt 300  
 gacccttgag ttggtactta tca 323

<210> 11526  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11526

actatattat ctacacaaaa ggtacacttc tctatattnng catagagggt gtttttctta 60  
 aggactgaaa gaacttgtct gagatgtcct aagtgatcat ctatgtcctt actatacact 120  
 ataatatcat caaaataaac aactacaaat ctacctatga natcccttaa acatgatgca 180  
 taagctcata aggtgcttgg tgcatagtga gccaaaagca tactaccatt atacaaccaa 240  
 cttgtctgaa cagtttctact ctacctttta tctgattgta tacccttt 288

<210> 11527  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11527

ctaatatgct tctcagntca agaaaaccat gggttacattc atcattgact ttnggacaag 60  
 gaatgtacc attactttct gcatgccacc cagatcttga ccactcacga actacagtct 120  
 cagcaacagc atttggttca ttntgttcaa cagcatatgg ttcatttgtt tatacactta 180  
 tattatcctc accatgcagg taatcacgac cctgacagac aaactccaac ataattggat 240  
 ctgcaccacc tacaagctgg ccagttcgaa gctcgcgaca acagatgaga canaggtcga 300  
 aagagcattn tgtacagctt ctgtggtaat caaatattga cgttttgcag ttgtcactac 360  
 aagagagagc g 371

<210> 11528  
 <211> 260  
 <212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <400> 11528

tagtggtgcc atgttttcaa agcccgact aaggcataca actccttatac ataagttgaa 60  
 tagttaagg taggacct taacttttca ctaaaataag caattggatg gccttcttgc 120  
 atcaacacag cccaatccc aacattngaa gcatcacact caatttcaaa agatntttga 180  
 aagtttgga acgcaagtat gnggcatta gttagctttt gcttaagaac attgaaagct 240  
 tcttcttgtt tctctcccca 260

<210> 11529  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11529

ctataaatag acctcccatc tttaatggag tgggttacca ttactagaaa acccgcatgc 60  
 aaatttttat agagggaat agatttaa attttggaag ccatagaaca aggaccttat 120  
 gttccctcta taatagctgg aagtgaaca atagaaaaac cttagcgaga ttggactgag 180  
 gaagaaagaa gattagtaca atataattta aaggccaaaa atattattac atctgcctta 240  
 agaatagatg aatactntag ggtttcanaa tgtaaaagt ctaaggatat gagggataca 300  
 ctacaagtaa cacatgaagg cacaacagaa tgtaaaagat ctangataaa tactntaact 360  
 cgtgagtat 369

<210> 11530  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11530

acatatatga ataattaaaa aacaataaaa cacaatacca aaagtaagta cataccacta 60  
 gtcatatatc attaaagtaa ttaagtttaa aacacataat cataaacaac caagagcaag 120  
 tcaatataat catcatgttc agtcatacta agcaagtatt aaaagaaata ctaagtattc 180  
 aaatttcata aaaacatagc caaatacaag gcttaanaac aaaatataat tataatctaa 240

atctattatc agagaatcaa aacttaattc taagtaacaa anattagtta tgaacacata 300  
 catggtaact cattacttat ctcaattatt ttagcatatc aatataat 348

<210> 11531  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11531

atctccttga taggggccaa atgggtggac tcagaatcgc catgcataga gttgtcaggc 60  
 tctgagtctg aggtgtaatc tattcatgca gaactaatag gtcatatataa tctctacata 120  
 atgaagtaaa atggaaattc taccacaaca aaattacaaa taataaaatg atgctagaga 180  
 aatntaagga ggttgatact tnttgaatca naattgatat agattgacca tacta 235

<210> 11532  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11532

gattccaaca gtaaccttaa tgccgcttca ttataaagtg ttaataaaac attaaaacac 60  
 acacacaaac cacaatacaa aaactatatt acctgccatg caaatcggtt tccattcata 120  
 tcaatctcaa aatctgtcaa aaagtgtatc aagtaattct agaaactcta taagatatag 180  
 caaaatatgt caataacaga caagtgtatc caccagcagg gtagaattga agaataagggtg 240  
 atgaaggatc aatcatcaaa tccctatatt nttcaggaag tgcacttgaa ctgtaacaag 300  
 aacttaacca gcatcagcac aggatgcatg atataat 337

<210> 11533  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11533

actgagatgc agctgtagat gcttaaaaac ctggatttgt anatttttca gctcagacga 60

aagancccaa tcagagntgg attcagacct aataatgact agcctgacat actttatatt 120  
tactttcaat atcaaggaaa ttatattaca taatgtataa aacataacca aattacaaaa 180  
catagttttc aaaatatatt aaaaataact accatacgaa aactacttta catgtgttag 240  
tttgtacatt attttttttg tataggatgt tctacttgag gtaattatat ttgtgtgggt 300  
aaatatattg gaccatcttg ttaanaaaaa ttataatata gaataagtgt tgtttagaag 360  
aatacagttt aataaacaga taagatcggg ttattaaaat acacaatata ttatttttta 420  
atagaaac 488

<210> 11534  
<211> 515  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11534

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cccgagttgg atatggaatg aatgaataac gtcaacctgc aaatgaagaa cttatacaaa 120  
tgtagcatat atttgaaata attaatatca aagtatttta cattgcatgt aactataatt 180  
aattaattaa ttaaatatc atcatgataa aaaaaacata taactgggtt ttaaaaaatat 240  
attaaatgaa agctgaaaca taataaaaaa atagaactct taattaaaaa tctattattt 300  
atgatttttc gcttgaaaat actgatacca ataanaaagt atagcacaca tagctaagaa 360  
agatagttga ctacaatctc caatgaaaag ctagttagtt acacgtacac accatgaaga 420  
tgcatatata tatacttcac tccacgacta ctactttacc ggctaaaata ttatctaata 480  
ataacctaata actctactat agatcttcta ctgta 515

<210> 11535  
<211> 229  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11535

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catggaacta tgtgcgggtg gtgagctttt tgategtata attgctgagg gacattacac 120



tgaacgtgcc gcggtttcgt tgtaacaacc ataatgcaga ntattcacgc ttccactcc 180  
atgggtgtca ttcatagaga tcttaagccc gaatatctct catgttgaa 229

<210> 11536  
<211> 338  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11536

tttcccacaa ctctcataaa tgggagagaa atgttcactc aaagcataca agtccctaatt 60  
attatcaaat ccttaaaaatt gagctcctag ggagcaaaac aatgtgtgtc tccatagagag 120  
ggcatcagct accacatttg tttttccctt tttgtatttg ataacatatg gaaatngctc 180  
taggtactct acaccatttg catgcctcat gtttaacttg cntngccctc taatgtactt 240  
aagtgtatga tgatcactat gaatgacaaa ttccttgga acaaggtaat gttcccaagt 300  
ttggagggct cttattaagg cataaagctc tatatcat 338

<210> 11537  
<211> 369  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11537

tgaaagttag tgagacatcc aaanacaaa gaaaacccat caatttgaag ccaaaaatta 60  
cacatagaat gacattttct caaagaaaac caaatgcat atgcagacag tacctcataa 120  
cagcgacgaa tatgaagttt ctttagattc ctacagccac tagctatgcc acacatggct 180  
tcctctccaa tgcttgaaca atctaccaat tgaagtgtt gcaagaaatt gcatccctgt 240  
ccaacctgga caagaccagc atcaccaatt ctttggcagt aaagcaatgc taactcatag 300  
agatgtctgt gcaatataca gctaagatta gcatcactaa tgaaagttag ctaaatattc 360  
aaatacatg 369

<210> 11538  
<211> 308  
<212> DNA  
<213> Glycine max

<400> 11538  
 cctctcttttc tcatgtgcac ccttatccta tctttatgtt cgaagacaac cttctttctc 60  
 cctttggtgg cttggttagc ataactttta tttctactct caatttgatt ttctactctc 120  
 tcatgaaact tcttcacata gtccgccttt gcttgagctt ctttatactt aaaaacagaa 180  
 acattatgca taggcaaaaag atcaagagga gttagtgggt taaaaccata aacaacttca 240  
 aaaggagaac aattagtggg gctatgaaca actctattgt aagcaaaatc aacatggagg 300  
 taaacaac 308

<210> 11539  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11539

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 tatatatatg tgacttgaga cacgaatntg ctaagagttt ttcagaacaa aaaggtctta 120  
 tctctttaa aagcaaaatc gttttatcct cttacaaatt ccttggccaa atcacttgtg 180  
 attcaataag gaattgtttg agtgcctaaa ttgttcaatc tatctctntc aagagagatn 240  
 tcttcttctt ttctctnta ttctgaanag ggattaagag accgaggggc tcttgttgtg 300  
 aaagaattct aaacac 316

<210> 11540  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11540

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 atcgagatgc tcgaaattga acaacggaac ctatcgagaa attcaaatgt tcaaaacggt 120  
 tcacacggat ttccgatttt gggacataat ataccgagat gctcgaaatt gaacaacgga 180  
 acctcttgag aaattcaaat gatcataact nttctttcag atgtccgaga cggggacata 240  
 atttatcgag acactcgaaa ttgaacaaca naagctctcg agaaattcaa atgggtcatga 300

<210> 11541  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11541

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 acccaaaccc atacttgacg catcacaata caccacanaa gattcactcg gattaggtaa 120  
 cactaagact ggtgcagtggt tcaacctttc cttaatggta cggaaactac tctcacattg 180  
 ggcacccac acaanaactt gacctttacg agtaagctta gtcaaaggta aggctagctt 240  
 agaacaaccc tctatgaatc tacggtagta tcttgctaag ccaagaaagc tctaatttc 300  
 aaacactgac ttangactct ctcaactcat cactggc 337

<210> 11542  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11542

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 cgtgactcaa atgtcagtat gacagatctt gtgaagggtg cgcacaaaag cgaggctctt 120  
 gctcctacgt atcctncaat gaggaactca gacctacgta gttcttgata actngtgaga 180  
 cttgaaaaag tctccaccgg aagatgctga catctccgga aagggcgcag atgaccacat 240  
 tggcctctgc tcgtcaatca cacttgnggt cactgaatga cgagggtgcg ataaccgtaa 300  
 ggtgtcttcg cgaactacca gctctngggt catggtaaca aaaagcg 347

<210> 11543  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11543

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accccatgga tcaatgcata taccacaagg ttagtgggag taaaatatgc tttcttggtt 120  
 tatatgtaga tgatatttta cttgcagcca atgacggng tttgctacat gaggtgaaac 180  
 aatttctctc taagaatttt gacatgaagg atatgggtga tgcattttat gtcacggca 240  
 ttaagattca tagagataga tctcgaggta ttttgggtct atcacaggan acctatatta 300  
 acaaaattct agagagattt cggatgaa 328

<210> 11544  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11544

aatcatagnt ctactaagac atgtttgagt gttcgggaac aagagagggt tttgaaagg 60  
 cggaggaac aaccaatttg agagcatgat agagcgtata gacatatggt aaatgtaaaa 120  
 ctgacctagt atatctctat ttagaactat tatactctca acctattaat tactctactt 180  
 ttctttatta tattatttta taacaataaa ctatatttta ctcccaatca aatgaataaa 240  
 ttaaatattc attctattct ataagaacat ataattagtg tatctacctt angatcatta 300  
 ctctaattaa taaaattatt cttcttatct attaattacg agaattctcat tatctcttac 360  
 tcctctatta t 371

<210> 11545  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11545

aaccacatca cccttacaga tgactgatat aagcttttaa tggaagtcaa gagcacgaaa 60  
 ttgtgctgat actattgact ggtgagcagg tcttcacgcg ggttgaacac ttgaatattg 120  
 tatttgaaa gaccacaag aaggataaaa ataagacttg catatggaag aagaggcca 180  
 tttctttga tcttcgctat tggtcagatc tggatgttag acattgtatc gatgttatgc 240  
 atatggagaa aaatgtatgt gacagtgtga atggggtgct ctntaacatt caaggcaaga 300  
 cgaaagatgg tctgaatacc cgtcaagatc tagctgacat gggatatga t 351

<210> 11546  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11546

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 tgggtggaatc accctaattct catatgggtcc agccctcaac aacaacaaca gcaacctgct 120  
 cctttcttcc aaaatgctgc tggcccaagc agaccataca gttctccacc aatccaacaa 180  
 cagcaacaac cccagaaaca gccaacagtt gagggcccta cacaaccttc cctcgaagaa 240  
 cttgtgaggc aaatgactat gcaaaacatg cagtttcaac aagagaccag agcatccatt 300  
 cagagctnga ctaatcagat gggacaatta gctacacaat ggaatcaaca acagtcccag 360  
 aattctg 367

<210> 11547  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11547

gaatgaagct ctgatactca cttgttagtc tagtggcctc atatatctta agaagggggg 60  
 gttgaataag atattccana ctacttcccc aattaaaaat ctatttgact ttntattcaa 120  
 gttataaatt cccttaacaa tgaacttctt aaatattgat tcanataaaa caatttgaat 180  
 atgaatataa agcaataata aataaaggag tttaagggaa gagaaagtac aaactcagat 240  
 ntatactggt tcggccacac ccttgtgcct acgtccagtc cccaagcaac ccgcttgaga 300  
 gttccactat cttgtaaatt ccctttacaa gttctaaaca cacaatgaca atccttccct 360  
 tgtgttagaa ttctttacaa caa 383

<210> 11548  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11548

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catcacttct ggcaacttaa tgctgngagt ttgaagccat cttctcaatt aaatntctgg 120

cttcagcagg ggtcatgtct cctaaggctc caccactggc agcatctatc atacttctct 180

ccatgttgct gagtccttca taaaaatatt ggagaanaag ctgctctgaa atctgggtgg 240

gagggcaact ggcacataat tntttaaatc tctccagta ttcatatagg ctctctccac 300

tgagttgtct aatacctaga aatatccttt tgatggctgt ggtcctggaa gcagggaaaa 360

tgttntctaa gaatactctc ttgtggtcac cccaactcgt gatggacctt agagcaagg 420

aatatagcca gtcctttgcc actccttcta a 451

<210> 11549

<211> 249

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11549

gagaatcatg gtcttgaagc tcttcgctg cangagtggg ttgaagctgc tatataagta 60

agaaatcctg atgctctgct cctcgtnta gaagttagag agaagatttc tattgatagc 120

tctgtatttg gtaaacttct gccaaatcca ttcagctcta gccagactat ctctgctgat 180

cacctgtcct ccttgagtaa tagcttgaag ggagactata ttcattcacc tatgtgtggg 240

caatactgg 249

<210> 11550

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11550

atctacacca gctgggatag taggatataa tatcttcaca gaggcatcaa ccgcttccaa 60

ctcattcaat acagtaaatt taccaccaga anatcttact ctactttcct catttacaag 120

agtcgtcaac cttctaaaat ctggagccca tgaatgtatg tcggccacat tcaagtttga 180

taacttcttt gacgagccag agaatgggtgc agtaaacacc ctgcaaataa atacagtctt 240

<210> 11551  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11551

attctaaagc ccgagtata gntgttggtt ttcttcacat ccaagcccaa tgcctgcaaa 60  
 ccatgattgt ctaatatatt caccgattgg gccttctttg agccttttta acattattat 120  
 gacctggctt tgtgaggaaa aggcagtgat gggtcgaagg tttagaaatag cttcaatagc 180  
 tattttgcta gtttcattctt gggctctgat agccttttta gacataccct tgaggagtac 240  
 aagtcttggt tagaaaactcg caatgccaat aggttgaaca acaatcaata taatggcaaa 300  
 tctccatgca atgattatgc ccattgtgca tgctatcacc actgctgaaa tag 353

<210> 11552  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11552

tatgcaagct gaaagccttg gaggaagag gtatgcctat gttgttggtg atgatttctc 60  
 cagatttacc tgggtcaact ntatcagaga gaaatcagac acctttgaag tattcaaaga 120  
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgaacca 180  
 tggcagagag nttgaaaaca gccagtttac tgaattctgc acatctgaag gcatcactca 240  
 tgagttctct gcagccatca caccacaaca aaatg 275

<210> 11553  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11553

agcgactaag atgtaccagg accttatgca gatngtttgg tggccgagta tgaagaaaga 60  
 aagttatgag tttgtccttg catgcctagt gtgtcagaaa gctaaaatag aacatcagaa 120

gccttcaggg aagttgcaac ctttagagat acctgagtg aagtgggata gcatctccat 180  
 ggatttc 187

<210> 11554  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11554

agtcacctga ggcattgcaag cttcanattc acctctactg gagnntctgt tggtttacat 60  
 ttccatggnn aaaccttctc aaaacatttg aaatatactt cttttggtgc atganaattc 120  
 cctgtttagt gtatgcaaac tccaatccta naaagtatga taatgttccc aggttcgtca 180  
 ttcttctctc aaattatggt ttagtgggtc aatcccagtt gagctactct cagtaagtaa 240  
 tagatcatcc acatacagac aaatgataag aatgtcagtg tgttttaciaa ttctatgtaa 300  
 actccctgaa agtcaatatt gtgaagaaaa gtgtcaattc tcttggtcca agccctacgt 360  
 gcctgttgta acccatataa tgccttctc aacttcaaca ctttgtgttc attcccttgc 420  
 atatgaaaac agaagggtga taataaacac atcttcatca agtg 464

<210> 11555  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11555

gtctcacgaa tgtcacctgc tcatgtctca ttttttatct cgtggctata tgagacatct 60  
 tgccaaacaa agtcagggtta acaataactc gcctgtgctn tntcttccat gctatatgta 120  
 gcaaagtcatt tgatccagtc atgtttgatg agttggaaaa tgaggcgcga attatactgt 180  
 gccagttgga gatgtatggt cccctgctgt ctttgacatc atgattcact tgattgtgca 240  
 tctggtcaga gaaatcaaat gttgtggtcc tgtttatcta cgggtgatgt acccggttaa 300  
 gcgatacatg aagatcttaa cagggtatac aaagaatcta tatcattcaa aagcatctat 360  
 t 361



<210> 11556  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11556

gcttctatta tcaatttcga gcatctctat atatctcttg gactcaatcg ggcattccgag 60  
 taaaacgcta ttgtcaatnt aattttctag gatcttgcatt tttcaatttc gagcgtctcg 120  
 atatattaca ggactcaatt ggatagccga gtaaaaagtt attgtcgttt gaatttgctc 180  
 agtgcctctg ttctcaattt cgagcgtctc gatattattac aggacttaat cagacatctg 240  
 agttaaaaag ttattgtcgt ttgaatttgc ttggagcttc tgtacttaatt tctgagcatt 300  
 tcgatatatg acggggactca atcgaacaaa ctagtaaaaa gttattgt 348

<210> 11557  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11557

tatgctnnta tattattcan ttactttgtc tcatactctc tatatgttat ttcttctaatt 60  
 tcaaatatga attcaattca nattgacatt taagttgttt gtttgctttg atgtaaaaaa 120  
 aaatagttaa tggcatgcatt ggttatatatt ntaatcaaca acttatataa aaagaagagt 180  
 attaaacaaa catctattnt atcagttttt catatgcttc ctttcaatta gtcttaattt 240  
 ttctctaatt ataattgatt attaaatatt tgtaaatagtt ttcatatgaa atcttcgaca 300  
 tactaatact acatgcaaca naataaagtc atatctcagc gtgggtgacat ggtcgattac 360  
 acatatgatt gatatt 376

<210> 11558  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11558

agactatgctc aagnnatgga agtacgggga ctcgctctac cgggtgcaagt gtcttaagga 60

tgctgctctt ggccgcatgt gcaactgagat caagaggggtt ggcccagagt ttgcttattt 120  
 agaacaggtc agacagcaca tggctaggct tccctctatt gatccaaata cgaagacctg 180  
 tttgatctgt ggatatecta atgttggtta gagctcgttc attaacaaga ttaccagagc 240  
 tgatgtggat gtgcagccct atgctttcac taccaagtct gtctgtgtgg gtcatactga 300  
 ttataaatac ctgagggtacc aagtaattga tacgccaggg attttggaca ggccttttga 360  
 agatcgtaat attattgaga tgtgcagtat cact 394

<210> 11559  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<400> 11559  
 tctattggat aaactcggct atacatcgta tgatatgggt gtc aaagtct ctatcatccc 60  
 ttctaattgtc cttgtatcca tatctgacag tgcacctata cattcgatat ggtctcggac 120  
 aaactcggcc gattaggaaa cgttcttttg ttaatacatg tggaacagga actgttttca 180  
 cacaacaaaa gaccaacacc atgtgaaatg catggagggt ggatacaaag tgggagaata 240  
 ttgcaggtat tcctgttgca agttctgtgt agatgagacc aatcc 285

<210> 11560  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11560

gacaccgaga gggacagtgt ataaagcttg tttagggtag aagatggagt aagggacctg 60  
 atttccaaga acaaatgaag gcatgtagta gatcaggtaa taggatgtaa taagtgcac 120  
 accccaaaaa tgatgtggga cattatagtg aaggataaga gtataagttg tttcaactaa 180  
 atgatgattt tcctttcgca acaccattnt gttgtggtat gttggcacat aacgtctcat 240  
 gaagaattcc ttgcgaggtt agaaaagagc gaaattggaa gaacaaatat tcatgggcat 300  
 tatcagtgtt tataatctta acgaaaacac caaattgatt ttgatttcat atgaaaacct 360  
 tgaaaaagga aacata 376

<210> 11561  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11561

ttgaggaaga ggcttaccac ctctcccatc atgcaaccac cagatgggga acttcccttt 60  
 gagctcatat gtgatgcttc taactatgca ctnnngggttt gtttgcgta gagagttgat 120  
 agactataac atgtcattgc ttatgcttca tgcactntag atgcaacca agttagctac 180  
 accaccactg agaatgagct nttagctatt ggttttgctt tagataaatt catatcttat 240  
 ttcttttgcct cccatattcat agtctntact gaccatg 277

<210> 11562  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11562

cttaaatata atttcaaatg gggatntcat tttgttagat caaatgtggt gatgccacaa 60  
 tttattgagg gaggactatg gacatgngtg aattttggag gggacataga agattgcaac 120  
 ttatacacct gatcttcagt ctttccttgc agaagaaccg ctcccgttgt caggctcttt 180  
 acctcanaat gcaagggaag aattcaacag acacagagtt agtttgacgt aattgagaaa 240  
 cagaaatgag attntgagag acagagggaa catagtatat tggaa 285

<210> 11563  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11563

ctgagtntgt agctacctca tgctctctct ctaatgacta tggcatcatn tatggcgcta 60  
 aactgctgag aattggaagc catcttctca attaaatttc tggcttcagc aggagtcagt 120  
 tctccaaggg ctccaccact ggcagcatct atcatacttc tctccatatt actgagtcct 180  
 tcataaaaat attggagaag aagctgctct gaaatctgat ggtgggggca actgacacat 240

nagtttttta aatctctccc agtactcata tatgctctct ccaactgagtt gtctaatacc 300  
 tgagatatcc ttcttgatgg ctgtggctct ggaagccagg gaaatttttt tctaaaaata 360  
 ctctctta 368

<210> 11564  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11564

caatacattn ngaannaaat taaacaaacc tgtgctacac atagatgaca tgtgttggat 60  
 acctacaaat tatattatgt attgaaacaa aggtcatttt tatactctga atccttaata 120  
 taacctctta tacccttttt tttaaaattt acttagcgag tatttttttt ccagtgatca 180  
 agatgattat gaggttgtac aaaaagtggg cagggggaaa tatagtgaag tttttgaaag 240  
 cataaatatc aatagaaatg agcgcgtgat aatcaagatt ctgaaacctg tca 293

<210> 11565  
 <211> 201  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11565

tttctcttgt acttcanaac ctctcatgtg agcacgtgat cgagcatctc tccacacaat 60  
 aatgtgatta tcgggataaa gtctctgac caaagaaatg tgtactcttt taaagaaagc 120  
 tgaaaaattt ggatacaaa gagacgactt ctgaactact cctggctgat cagggtaac 180  
 accatctctc aatatectcc c 201

<210> 11566  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<400> 11566

ctgcacctgt cgccagactc tgtgttttat gctctctctc cgaccaccac acagaccttt 60  
 gcccttctgt gcaacaatct gaaacaattg aacagcttga agcttatgct gcaaacatct 120

acaacagacc tcttcaacct cagcagcaaa atcagccaca acaaaataac tatgaccttt 180  
 cctgcaacag gtacaatcct ggatggagga atcatcccaa ccttagatgg tcgaatctct 240  
 tcacaacatc aacaacaacc ttatttcaaa atgttgetgg cccaagcaga ccatacgttc 300  
 ctccaccaat ccaacaacaa caacaacaac agcctcagaa agaacaacaa 350

<210> 11567  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11567

ataaatagta aagtgtggtga tgagaaaata aaatggttgt tgtgtaggtc ataccatcac 60  
 ataatatctc ccttgtcttc cttttagtg tactttaagt attccatggc tgccaccaag 120  
 ggtgcttttc acaaaacaaa acanaaaact caggcaaatt cacttatcga aagcaattga 180  
 caacatatat ctctngcaac ataaacaaag cacctacttg tatacttgcc actcgtaagg 240  
 agggccataa ttacagcctt tgctgttctt atgctcaaat ttcaat 286

<210> 11568  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11568

atctgcacct gtgccagac tctgtggttt atgctcctct ctgcaccacc acacagacct 60  
 tngccctctt gtgcaacaat ctgaaccaat ngaacagcct gaagcttatg ctgcanacat 120  
 ctacaacaga cctcttcaac ctcaatagca aaatcagcca caacagaata attatgacct 180  
 ctccagcaac aggtacaatc ccggatggag gaatcatcct aaccttagat ggttgaatcc 240  
 ttcacaacag cagcagcaac aacaacatac ttatnttcaa aat 283

<210> 11569  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11569

aactgggttc ccaccaatca tacttccact gntgccacag gtttgggtaa atttctgtat 60  
 gctgctggaa ccaaatccaa atttaatttt ggaaactata tctntgatca aactgttaag 120  
 cattcagaat cttttgctat caaattaccc attgccttcc ctactgtatt gtgtggcatt 180  
 atgttgagtc ancatcccaa tatgttaaac tacactgact ctgtgat 227

<210> 11570  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11570

ctcggatgtc cgattcaggc gcacaatata tctttacact ttanattggt aacagaagct 60  
 ctcgagagat tcgaatggtc ataacttacc acacggatgt ccgattcggg cgcataatat 120  
 gtcgagacgc tcgatattga acaacggaag ctctcgagag aatccaatgg tcataacttt 180  
 tcaactcggag gaccgatcca ggccgcataat atactcgagac gctcgaaatt gaacaacgga 240  
 agctcccag agatcaaatg gtcataactt ttaactcaga ggcccgattc aggcgcataa 300  
 tatatcgaga ctctccaaat tagacatcga gagctctcta gaaatt 346

<210> 11571  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11571

agcttctcga tacattatgc gcctaaattg tgacanctga gttatttgtt atgacaattt 60  
 gaatggctct agagattcca ttgttcaatt tcgagcgtct cgatatatta tgaatatgaa 120  
 tcggacctcc gagttaaag ttatgaccat ttgaatgtct cgagagcttc cgtgttcaa 180  
 ttctcgacgt ctcgatatat tatacgccag aatcggaact ccgtgtgaga agttatgacc 240  
 atatgaatat ctccagagat tcgcgtgttc aattacgagc gtctcgatat attatgcgcc 300  
 cgaatcggac ctccgtgaga atagtattga ctatttaa atcttgagag cttctgttgt 360  
 tcaattgcga gcg 373

<210> 11572  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11572

acatgtgcct agatgcatta aacctcanct cnatatgata tatatatgaa gctgggatga 60  
 taaaccaatt cagtgcctggt agatgaaagt ttactagaga aagcatgggc attgctcaag 120  
 gtaagaagga aggcctccttg tacatcatgt atgaaaagat atgcaaaagg gagacaaatg 180  
 ttgctcaaga tgcaaccaa gaattgtggc acaagagaat gngtcacatg agtgagaaag 240  
 gtttggaagtc tctattaaag gatcacttcc caaacataaa gaggtaacca cttgaatcct 300  
 gcgaagattg tcttgacagt aaacaatgta gagtgtctnt ccaagatcg gatgaagcca 360  
 gaaggagaaa gcatatcctg aatcttgtcc actcagatgt ttgctcaacg tctaaaaagt 420

<210> 11573  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11573

ggcacaagng acttcttata ccaatgtcac gaggagtgtg gtggtcagat tcataaagaa 60  
 ggaactgatt tgtcgatagc gactccctag gaagatcatt actgacaatg gcaccaatct 120  
 gaacaacaaa atgatgcagg aaatgtgctg ngatatcaag atccagcctc ataactccat 180  
 ccactatcga ccaagatga atggngctgt ggaggatgca aataanaata ttaataagat 240  
 tattcagaag atgacgggtg catacaaaga atggcatgag atgttgccct ttgccctgca 300  
 tggatatcga acctcggtcc gaacttctac t 331

<210> 11574  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<400> 11574

ctacaacacc tcaatcttca cgtcacctc atcacctttg tccccatcac tgttcctcga 60  
 gttgatgggc ttctcaaga tgctgaaacc acttgagaca tacccttctc tatgggccca 120

cttctcgcca cggcttttga cgcaccgag aaagacatcg aactttctct aaggggaactg 180  
 aaaccacaat ttgttttctt cgagatccaa cattggctgc gcaacctgac tcgaagccta 240  
 ggcatcaaga gt 252

<210> 11575  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11575

gcttctgaaa tatgagcaag aatcaaacct atggttctat ctattcttct gctaaagggg 60  
 gatttctttt ttaactatc cgcanactag atgaacttaa gtaggtttct tgcacagccg 120  
 tagtaactgc aaaagggttg attgatgaca cgagagattc tggacccttt gttgcaatcc 180  
 tcttgacaaa agcatcacag ttgctgataa cttcagtc aa ctttcttct agttctccaa 240  
 ttccacctta caatgaatga actacatgca cgttccaaca tatagttaac aatttccaca 300  
 tacaatcata gaataccaca tgagagtatt gtgatttatg acatagatgc aaatgaatca 360  
 agatttacia gttagtgtac ctttctaaca atgaaagagg aaattaccat tcatttcgtt 420  
 taatgatata aaacacatgt atcatgttag tacttgc 457

<210> 11576  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11576

tgagtgtctt atcaatggag ttgacaagaa atcttcagac ttttctcatt tgccagtggc 60  
 caangatgca tgggagatcc tgaanaccac tcatgaagga acctccaaag tgaagatgtc 120  
 cagattgcaa ctattggcca caaaattcga aaatctgaag atgaaggagg aagagtgtat 180  
 tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactgcct tgnagagaaag 240  
 aatgacagat ganaagctgg tgagaaagat cctcagatct ttgcctaaga gatttgacat 300  
 ganagtcaat gcaatagagg aggcccaaga cattngcaac atgagagtag atgaactc 358



<210> 11577  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<400> 11577

cagatgcccc tcaagtttctg ctctgccatc tcaattgaaa tcggccgatg ttcataccaaa 60  
 gtggtcacatg tgtttggaaat gttgactact ctgttataac gagaaatctt ggtgatgaaa 120  
 ttgcgcggat cgctcaagtc acatgaaatt ggcacgcgaa ccttgagggt gcacacattg 180  
 tcatattcta tcaagagctc ttgcactctg aaaaaataa taacatccaa attataagat 240  
 attattataa 250

<210> 11578  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11578

atatacataa ccaaagatng actacaaatt ataaaggagg tctctctttg tgtcaggaca 60  
 acttacaatg caagcaaata gagggtttctc aaggttcaac gagaatgggt tccttaagat 120  
 acaaaattag ttgggttgat tggaacatat accanatacc agttaagggt tacatacttg 180  
 attccaccga caaagtggag tcaaatgggt ccaaaaatac tcatgattgt ctggtagtga 240  
 tgcaatccta ccc 253

<210> 11579  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11579

gctttactcg gagatctgat tcangcgcat aatatatcga gacgcttgta atgttcttcg 60  
 gaagctctcg agaaattcca atgctcatta cctttaactc ggaggtctga tttaggcgcc 120  
 taatatatca agacgctcga aattgaacaa cggaagctct ctagaaattc aaatggcat 180  
 aacttttcac tccgaggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240  
 aatagaagct ctcgagaaat tcanatggtc ataaccttaa actcggaggt ccgaattagg 300

cgcataatat atcgagacgc tcgaaattta acaatggaag ctc

343

<210> 11580  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11580

catgtgaagt ggggtggaat cttatatcaa ttcccttatg ttatcaaaca taaaaaggga 60  
aaaggttaata ttgtagccga tgctctttct cggcacatg cattactttc tatgcttgaa 120  
acaaaaattga ttggtcttga atgtttgaaa agcatgtatg aaagtgatga aacttttggt 180  
gaaattttta aaaattgtga aaaactttca aaaaatggtt tctttagaca tggaggcttt 240  
cttttcaaag aaacaaaatt gtgtgtgcct aaatgttcta caagaaactt gcttgtttgt 300  
gaagcacatg aaggagggtt aatggggcca tttgnggtcc aaaagactct agaaacatta 360  
caagaaccat tttattggcc tcatat 386

<210> 11581  
<211> 387  
<212> DNA  
<213> Glycine max

<400> 11581

tgcatcctga agacaaactt ctatgatata tagacttggt gcttatgagt acatggctaa 60  
tggttcattg gataaatgga tattcaaca gaacaaagag gaatttcagt tggattggga 120  
tacaaggat aacatatcac ttggaatagc aaaaggactt gcttatctac atgaagattg 180  
tgactcaaac attattcatt gtgacattaa accagaaaac gtgctcctag atgataattt 240  
cagggttaag gtttctaatt tggtttggct aagctcatga aacgtgaaca aagacatgtt 300  
ttcacaacac ttagaggcac tatagggtat cttgcacctg agtggatcac aaactgtgcc 360  
atatcataga aaaatgatgt ttatagc 387

<210> 11582  
<211> 270  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        11582

gaatgctatc gtgggaaagt gaacaacttt tcaacggttt gtcaccaata acatttatga    60  
arttttagccg tattgggata cagggcctaa caaatcactt gtaatatcat aatgatcccg    120  
cttatctaca tgaagattgt gactcttaca ttattcactt gcacattcac ccacaaaacg    180  
tgctcctaga tgataatttc acggttaagg ttttgaaatt cagtangatc caactcatga    240  
aacgtgaaca aagacatggt ttcacatcac    270

<210>        11583  
<211>        373  
<212>        DNA  
<213>        Glycine max

<400>        11583  
tgcataagtc cgggcccaaa ttccaatatt tatacactca tcatcagggc tcagagaaac    60  
cccagaaatt tccccaaaga aatcaatctc ttgacgtttt ctgtagtctg ctttcgtgct    120  
ataaacatgc acaaaatctg caggctcagc aaccaccata tattgaccat ccgaagaaaa    180  
ccgaatagac cgggttgccc ctaggttatt cttgagaatg gcagtaggag atgataagtg    240  
tctaactccc atactctgca agtcttatcc tgattccccg ttgcaaaggt acatccatcg    300  
ggatgccacg cagaagcgaa agagtaatct cgatgaccaa ccaaattggc aacagtctaa    360  
aaaatcaaac aag    373

<210>        11584  
<211>        300  
<212>        DNA  
<213>        Glycine max

<400>        11584  
tatcttagct aacgcaacat tgttcattaa gagtgaagga gttgacattc ttatcatctc    60  
actctatgtc aaagatctct tgagaacaag aagcaacaca tgtcttgggg aaaaacttaa    120  
taaagaaatg atggaggagt tcgagatgac agaccttggg ttaatgacct tctttcttgg    180  
catggagatc aaacaaagag aacatgaaat cttcatcttg taaaaaaagt atgccagga    240  
gaatttaaaa aaatttaaaa cttgaagaat gcaaaggaaa tgatcacttc aatgaaataa    300

<210> 11585  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<400> 11585

tactcaagct ttgatgacta aaataaaaaa atagtcagat ttcttgagag attttcgggtg 60  
 acaagggtga aattttgaga gatttgatta gtgctcttgt gttgatgact ataataacat 120  
 gcttttgaca ttaacagggt gagatagggt atgggcagga cgtacttgtg agagtacatt 180  
 ctgaatgtct cattggggac atttttgggg caacatgtca atgtaaaaac caattaaaac 240  
 tgcattgaa gcaaattgaa gcagcaggta ggggtgtctt ggtgtatctc cgaggaaatg 300  
 aaggtagagg tattggctta agccacatgg tccgtgctag cccattggaa gatgacaagt 360  
 atgaagaatt gcagttacct gttgagtcta 390

<210> 11586  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<400> 11586

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 cataatctga ggcaacagag gaactgccag caactaatga taagctcgac tggagagggtg 180  
 attgcacaga ataaactgtg ttgctggaat ctgggtctgt ttcagaattc tgcgtggttg 240  
 catcttgga tgcctaggaag gattaaatga ggtataaaat atcaaaaattt gggaaagcta 300  
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 aagataatca catacaagat c 381

<210> 11587  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<400> 11587

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tatacagata tagatatatg aattcattta tgctcatttc ttacaaataa aatataaaat 180  
gctactaagt ttaagaggca tagacggcca gttttgtttt caatttctat aaacttgtaa 240  
ataattttat ttatttaatt attaaataaa tatttttaat tttacttggt attgggttta 300  
tttaagatgt tgtatatctt ttattatttt atttaacgtg ttatatattt 350

<210> 11588  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 11588  
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tcaaaggatt gacgtaacaa ttatgaacaa agtcactgct gccagcactc acatatgtag 120  
agtgccattat taaaaatcaa tgctgcttgt tttactgcca actaccttgg ccagcttgca 180  
ttggggattcc ttgtaatata ttaactgacg agacaatgga atcgcatgct gcaaaagaaa 240  
aacacagttt aaaaaaccat taatt 265

<210> 11589  
<211> 342  
<212> DNA  
<213> Glycine max

<400> 11589  
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cgccgcagtt gaagattttg gggcacatgg cggttggttg cttcttgact cactcgggtt 180  
ggacctctgt ggtggaggct attctgaatg agaagccgtt ggttctgtta acgtttttgt 240  
cagaccaagg aataaatgcg agagtattgg aagagaaaaa aatgggctat tctgtgacca 300  
gaaatgaaag agatggattg ttcacgagtg actcggtagc tg 342

<210> 11590  
<211> 386  
<212> DNA  
<213> Glycine max

<400> 11590

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 cgcttcttgg aattgggatg aagaaaaatt ggagaagaac gttcttatac ccgcttaact 180  
 acctcaagaa gaagctgagg aagaagaccg aggtgaacca ccttcacctc caccacaaca 240  
 acaagatcaa gaactatcat caccagagtc tactccaaga cgagtaagat ctttgggtgga 300  
 catatatgaa acctgtaact tggccatact tgaacctgga agctttgaag aagcgtcaaa 360  
 gcaggaagta tgggtcaagg caatgg 386

<210> 11591  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<400> 11591  
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 tgggtgttct aaacaaaacc gaattgatgg cattaaactc aacattcctc catttaaagg 180  
 aaagaatgat ccggatgcct acttggagtg ggagatgaaa atagagcatg tcttctcatg 240  
 caacaactat gaggaggacc aaaaggtgaa gcttgccgcc tcggagatct ccgactatgc 300  
 tcttg 305

<210> 11592  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11592  
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 ttcatggaat ggtcaacaat attttatatc attcatagac gattactcca gatatgcata 180  
 cttgtttntt atacatgaaa agtcccaatc tttggatgtg ttcaaaagat ttaaaggttta 240  
 agttgaaaaa caactcaaca aagaataaag tgtgttagat ctgattgtga tgggtgaatac 300

tatggtagat atgacggttc aggtgaataa cgtcggggc cttttgccag gtacctaaag 360  
 gaatatggaa tttgcccact gtaca 385

<210> 11593  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<400> 11593  
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 catgggccac tttgggatag acaagatgct tgtcttactc aaagaaaatt tttattggcc 120  
 ccatatgaat aaagatgtcc atatgcattg cactaagtgt gatgcttggt ttcaagcgat 180  
 gtttgagggtg atgcctcatg ggctatacac acacttacc c attcgtctctg caccttgggt 240  
 ggacattagt atggtaactt ccatgggctt tctatac 277

<210> 11594  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<400> 11594  
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 gctagatgaa gctaggatga caaaccagtt cagtgccgaa agatggaatc atagtagaga 120  
 aagcatggtc attgctcgag gtaaaaagga aggcctcctg tacatcatgc agggaaaagat 180  
 atgcaaatgg gagatgaatg ttgttcaaga tacaaccaag gaattgtggc ac 232

<210> 11595  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<400> 11595  
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 tgttcctaga caaaaccgaa ttgatgggtat taaactcaac attcctccat ttaaaggaaa 180  
 gaatgatccg gaggcctact tggagtggga gatgaaaata gagcttgttt tctcatgcaa 240

caactatgag gagaccagaa ggtgaagctt gctgccacgg agttttccga ctatgctctt 300  
 gtgtggtgga acaagctaca aaaagagaga gcaagaaatg aagagccaat ggttgataga 360  
 tggacggaga tgaaaaa 377

<210> 11596  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<400> 11596  
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 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcattc ttctttggag 180  
 gatagacatg tggaggagta gctggtttct tggggtgtcc ataagtaaca attgtccttt 240  
 gatctgctgc ctttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300  
 gtgaagttta cattgaatcc ttcacacac agctgactga 340

<210> 11597  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11597  
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 atattgtctg ctccaccatg aaaccccaaa atgtccaaga ggaatcataa tttctgaagg 180  
 cttttcctca ttcttttagg ggagtggcaa aggactggtt gtattacctt gctccacggt 240  
 ccatcacgag ctgggatgac cttaagagag tattcttaga aaaanttttc cctgcttcca 300  
 ataccacagc catcaggaag gatattctaa gtattaaaca actcgggtgga gagagcct 358

<210> 11598  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 11598



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 gcaacatgat gaatccggaa agaaagagcg cgctgtttac tacctaagta agaagttcac 180  
 gacctgtgaa atgaattact cctgctcga aagaacgtgt tatgctctag tatgggcac 240  
 ccatcgcta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300  
 ggtaataaca tctttgaaaa gccagctctc 330

<210> 11599  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<400> 11599

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 acaactccca ccgtatatag aatatcgggc cttgtattgg ttagatacct tagactcccc 180  
 acaagactct tgaagatcgt ggagactacc ttctctcctt tatcaaaactt tgataacttc 240  
 aagccacctt ccatagggtg gttcacggga ttgcaatcaa acatattaaa attctttcac 300  
 acttcttttg tggacccttt cttgagagac aaaaatacca ttc 343

<210> 11600  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<400> 11600

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 tgcctaattg ttctgttttt aagcattaag aagggaagc aaaggcggac tatgtgaaaa 180  
 agcttcatga aagagtcaaa gatcaaattg agaggaaaaa taaaagctat gcttaacaag 240  
 ccaacaaagg gagaagaag gttgtcttcg aaccgggaga ttgtgtttgg gtgcacatga 300  
 gataagaaag gtt 313

<210> 11601  
 <211> 355  
 <212> DNA  
 <213> Glycine max

<400> 11601

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ccctcattaa gaactagctc tttttctcct ctattgcctt tagttgaata cacctttggt 120
tgattctcta tttgggtctt aacctcttca tgcattctct ttacaaattc tgacctagat 180
tccccctctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacgggtgt 240
aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgc 355
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<210> 11602  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<400> 11602

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tccccaccag aaaacttctg aagctatttt gggaaactgc ttctctcacc agccctgtca 120
atccctcagc cactaaatca aagagaaaag gtgccaaagg gtcaccttgt ctcaatcttc 180
tttgggggtt aaattctgaa gttgggctgc cattaacaag aatagaaatg gaagccgaat 240
taatgcaggc ccttatccac ctaatccacc tctctcatgg aaccccatte tcttcatcat 300
ataaatgaga aattgccaag atacagaatc ataagccttc tc 342
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<210> 11603  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<400> 11603

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ttttaaatcg atttaattca gtttttaagt ctaaacgata agaaatcaca ctttatgata 180
gttcaaaatc gtcactaaat gatttttaac tgtcacaaaa tacatagttt ttacaaaaaa 240
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atgaatcaat tctaaaaatt ggaagatcaa attgaactaa aaaaacacta gaggaccaaa 300  
tcgaattggt tttaaaaatt agatgaccaa attaaa 336

<210> 11604  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 11604

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caccatttaa tgtgctacag aattccaggg caagagctgt catatgcaag tcagaatcac 120  
tgatacacia gcatcaaaag aaaatagaat taaccattcc atatcaccta tgccaatgta 180  
cagagagtat cttagtaaga caaacctaatt tagtcccgcac cgttctacga taataacctt 240  
ataagcacac aaacattctt ttcaccataa gcaactataa gtgaattt 288

<210> 11605  
<211> 353  
<212> DNA  
<213> Glycine max

<400> 11605

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aactggaaaa tggaagatgt gcatggatta caccaacctc aacaaagtgt gtcccaatga 180  
tgctaccctt ttgcttagca ttgacagact agttgatggg gcatgtgggt tcagggtgct 240  
cagtttctta gatgcctact caggctataa tcaaatacaag atgtatctac ccaaccaaga 300  
aaagacaaca tttgtcattg atagggctaa ttttttctat aaggtaatga ctt 353

<210> 11606  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11606

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 aaactgaagc aatagaacag cctgaagctg atgttgcaaa catntacaac aaatctcctc 180  
 aacctgaaca gcataaacag cctcaacaca atgactatga cctttccccc aacagggtaca 240  
 ctcccgatg gaggaatcat cccaacctta gagggacgaa tctttcaciaa cggtctgcgc 300  
 aacaacaatg gacttattat caaaatgctg ctggcccatg cagaccatcc attcctcagc 360  
 cgatcc 366

<210> 11607  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<400> 11607  
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 cgagaaaate aaatgggcat aacttttcaa aagggaagtc cgattcaggc gcataatata 180  
 ttgagaaggt cgaaattgaa caacagaagc tctcgaggaa ttaaatggtc ataacttgta 240  
 aacggaagtc cgacttaggc gcataatata tccagacgct cgaaattgaa caacggaagc 300  
 tctcgtaaaa ttca 314

<210> 11608  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<400> 11608  
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 cgaaggttgg agaatatgag cggagggaga gggagagaac gggcacgaaa cttatgcctc 180  
 caatgagggc tacaatatga agctgagatc ctcacatgat caacgtagaa ataacgcaca 240  
 ctaaacgccc ctatatatag cctaacggtc acatgaaact ggagggaa 288

<210> 11609  
 <211> 348  
 <212> DNA

<213> Glycine max

<400> 11609

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cctctcaagt gcagatgtcc aaatctttga tgccatattc tgacttcac cttctttggag 180  
gatagacatg tggaggagta gctgggtttct tgagggtgcc ataggtaaca gttgtccttt 240  
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300  
tgtgaagtta cattgaatcc ttcacacac agctgactga tgctgac 348

<210> 11610

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11610

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tcagctttca taattcattc ttggttaagtg tttttttaa ataaaaattt tatattctga 180  
tttataattt ctgttcttaa attcttataa taggttagtt agtattaata ggtattataa 240  
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aatttttatg tattaataga tatttgaaga ttaggttatt cttaatagat atttaaaggt 360  
taggttagtt agtttggtt gttgtatata ctttttagata ttatatatgt gatataatat 420  
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<210> 11611

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11611

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tgcagagtat ttgtccttat aagaagctgc tggaataaaa gagggattcc aactgatgga 180  
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 tcaccaaatt cctgatgggg atatccaaat acttatggat gctgtgagta tttttcactt 300  
 tatctggaaa ctcttctttt ctgtttgttc tacacttgat gtgtgaagaa ataagtagtt 360  
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 act 423

<210> 11612  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11612

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 attcacgatg gttgaacgtg agacgttgac agcgtggcca tgatttttgg cacacttgcg 180  
 tgaacacgtc actgataaaa atggatattg tctcatttct gatcgacacg cgagtataaa 240  
 gtccgctgtc gctaataaag cacttgggtg gcaacctcct caccgttatc atgtctattg 300  
 cytgcgacac atagcaagca acttcaatcg aaaattcaat aacgccaac aaaaagaaat 360  
 gtttgcagaa gtgggtaaga attcatattt aatggtcacg tttatttaac ttccttatat 420  
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<210> 11613  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11613

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 gacacctttg aagtattcaa agaagtgagt ctaagacttc aaagagaaaa agactgtgtc 120  
 atcaagagaa ttaggagtga tcatggcaga gagnttgaaa acagcaagtt tactgaattc 180  
 tgcacatctg agggcatcac tcatgagt 208

<210> 11614  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11614

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 atattaaggt gattgagtat tcagactcat actttgttgg atgtgtggat ataaaaaaat 180  
 ccactctgtt ctatgtctnt cttttagccg aaggagcaat atcatggaag attgcaaagc 240  
 aatcagttgt tgytgcctct accatggaag atgaatntgt agcctgtttt aaggctacaa 300  
 tttaggctaa ttggctgcgg aactttatth cagagcttgg aattttcaat agtattgcta 360  
 ttgtcatacc ctaatttcgt 380

<210> 11615  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11615

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 acaaaaccga attgatggta ttaaaactcaa cattcctcca tttaaaggaa agaatgatcc 180  
 ggaggcctac ttggagtggg agatgaaaat agagcatgtt ttctcatgca acaactatga 240  
 ggaggaccag aaggtgaagc ttgccgccac agagttttcc gactatgctc ttgtgtgggtg 300  
 gaacaagcta caaaaggaga gagcaagana tgaagagcca atgggtgata catggacgga 360  
 gatgaaaaag atcatgagga agcggatatgt gccggctagt tactcaacgg acttga 416

<210> 11616  
 <211> 479  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11616

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 tactacattg caactgcatt aaacatgtta ttgttattaa ccaatttcaa gacctagagg 180  
 accccttccc ttatttttga gaaaactacc ttaataataat ctacttctgt aattaactaa 240  
 ggagttgaga gaatctatcc tagagtcacc atttctcctt ttaagcagct cttgatgtca 300  
 aatgccagg cttgctagat tatattatgt cattntgtat tgggttttct tcgaaaattt 360  
 atgtggaaca ctctgggata aagtttagtt ggtttcagtc tgagagacct ggatttcaat 420  
 tcattacctn catggatnga gtcnnnataa acaatttata cattntttct ttcatttat 479

<210> 11617  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11617

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 ttacgtttct gtctcattta cgtttctgtt tcatttacat ttatgtgcat ttacgtttct 180  
 gcttcatgtt tcatttgcgt tttctgtttg aatctatgga aggctagttt tttcgggtgt 240  
 gtttctttt gaggacgaag cccaactctc tttagaggtt cgtttgtaat gtgggttctt 300  
 ggcagttntc ccttcaccag ttatcccaaa ttcgtgaaca ttaatcagtg cacccttcgt 360  
 gttcgattaa ttgcctctga gcttaacttg cgttcagct taatggacga acggctaact 420  
 ggtgtatgtg gtgcctaate acgtattgac aacct 456

<210> 11618  
 <211> 150  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11618

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ggcataactt atcacacgga agtcggattc

150

<210> 11619  
<211> 340  
<212> DNA  
<213> Glycine max

<400> 11619

tcacacggac cgtcgattca ggcgcatata atatcgagac gctcgaaatt gaacatcgga 60  
agctctcgac aaattccaat ggtcataact ttccacaagg aaccccgatt ctagecgatc 120  
acgtatcgag atactctgaa ttgaaaacgg gaagctctca agaaattcag atggtcataa 180  
cttgtcacac cggagtcacca ttcagacgca taatatatca agatgctcga aattgaacaa 240  
cyaatgctct cgagaaattc aaatggtcac aacttgtcac acggaaatcc gattcaggcg 300  
cataacatat ccagacgctc taaattgaac aaccaagct 340

<210> 11620  
<211> 418  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11620

gctgaggtgt gttgcccacc atctnttcat agtagaatac tggttatgtg tctactatca 60  
tcgncatcat tnttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120  
ttgggcgtat tcttttgaaa gattcgtgcc cccttntgc acatgttctg tagttgcac 180  
ctatctgaag acattatact gacactgcct aacgaaggca accactaggt ccttccaaga 240  
atggactcgg gaaggttcca agttagtgtg ccaggttaaca actaccccaa taagactttc 300  
ttggaaggaa tgtatcagca attcctcacc ttttgtgtat gccncatct tccgataata 360  
catctttaga tggttcttgg ggcaagtagt ccccttgtac ttgtcaaagt ccagcacc 418

<210> 11621  
<211> 369  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11621

agcttagcta cacacacctc tctaatagct aagtttacct ncttgagatg agaagctaga 60  
gcttagctac acacccccta taatagctaa gctcaccccc atgacaaaaa acatgaaaat 120  
accaaaaaaa agtccttact acaaagaata ctcaaaatgc cccgaaatac aaggctaaaa 180  
ccctatacta ctagaatggc caaaatacaa ggcccaaacy aaggaaaaag ctatttcta 240  
atttacaag aagagtagat ccaaccttta cccatgggct caaaaatcta ccctaagggt 300  
catgagaatc ctagggcctt ctttagtagc tctagcccaa gcctcttgga gtcttctatc 360  
caataacct 369

<210> 11622  
<211> 312  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11622

attgacaata actntntact gggatgtctg tattgggtcc cgtcatatat cgagacgctc 60  
gaaattgaat gttgaagccc tgtgctaatt caaccgacaa taactnttta ctcgatgctc 120  
tgattgagtc ccgtcatata tcgagacgct tgaaattgaa tgttgaagct ctgagccaat 180  
tcaaacgaca ataactcttt actcgatgt ctgattgagt ccgcatatat aacgacacgc 240  
tcgaaattga atgttgaagc tctcagccaa ttcatacaac aataactnt tactcagatg 300  
tctgattgag tc 312

<210> 11623  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 11623

cttcaacatt tcaatttcga gcgtctcgat atatgacagg actcaatcag acatccgagt 60  
aaaaagttat ggctgctnng aatggctcag agcttcaaca ttcaatttcg agcgtctcga 120  
tatatgacgg gactcaatga gacatccgag taaaaagtta ttgtcgtttg aaatggctca 180  
gaggttcaac attcaatttc gagcgtctcg atatgtgacg agagtcaatc agacatccga 240  
gtaaaaagct a 251

<210> 11624  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11624

agagaggctc acaggtagcg gtgaactgcg atatgaactt ctctatataa tttagggtgcc 60  
 ctaagaaacc ttggacttgc ttttcgggic gcagtttggg catttcaagg atggccttca 120  
 ccttgctcag atcaacctct atccctttct ggctcacgat gaagccgagc aattttcccg 180  
 acttgaacaa cttccacagt ttctcgaaca acttccgaaa gttgacgagt tgttcctcct 240  
 cggttctaga cttggcaatc atgtcatcca tgtagactnt aatctctttg tgcacatcat 300  
 catggaataa tgctaccata gctttgtgat ag 332

<210> 11625  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11625

taacagaggc atgcaagcat gcctagttgc caatatatat catcaaaatt gtanatatat 60  
 attatgacat aactntttct cttgtggcaa tgctcatatc aatttagatt cttcttgcta 120  
 taacaacata ctatgatcat gaaatatgaa aaatggatgt ggaaaacggc tntccttaat 180  
 ggtgagctaa aatatgtttc cttaataaag tctacaagtt tcaacaatac atttatggat 240  
 ngaaagaagt gtctagaatt tggagcattc attntaaca gataattgaa tngtttaatc 300  
 ttgttagcta tgaagaagaa ctttgtgagt aaaaaaaggt tactggggagc attacattta 360  
 tatgtagatg acatataaaa taatacacia tataatgaag aaagatntga ctactaatat 420  
 attatcaatg aaatatntag gagaacaat attttaaaaa taaagaatta ttgagata 478

<210> 11626  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11626

agcttgctca gttgcccaata aatatcatca aatgtgtaat atttattatg acataacttt 60

ttctcttggtg gcaatgctca tatcaattta gattcttctt gctataacaa catactatga 120

tcagtgaata tgaaaaatgg atgtggaaaa cggtctnctt taatggtag ctaaaatag 180

tttctttaat aaagtctaca agtttcaaca atacatttat ggattgaaag aagtgtctag 240

aatttggagc attcatttta acaagataat tgaattgttt aatcttgta gctatgaaga 300

agaactntgt gagtaaaaaa aggttactgg gagcattaca ttatatgta gatgacatat 360

aaaataatac acaatataat gaagaaagat ttgactacta atatattatc aatgaaatat 420

ntaggagaaa acaatattta anaataaaga attattgaga tagaattaga 470

<210> 11627

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11627

agcttccaag aatcaagatc aagattcaag actctatatt caagaatcaa gagaagactt 60

aatcaagata agtatgaaaa agaattttca aaaaatgagt agcacatgga ttcttctcaa 120

aatatgttta ccaaagagtt ttactctct ggtaatcgat taccagattg ttgtaattga 180

ttaccagtaa gcaaaatggg tttcaaaaag ctttcaactg aatttacaac attccaattg 240

atttcaaaaa gctgtaatcg attacaatgt ttgggtaatc gattaccagt gtgcttgaac 300

gttgaaattc aaatttaaat gtgaagagtc acattctttc acaaaaaagc ttgtgtgaat 360

cgattacact gatttggtaa tcgattacca atgattgttt ctgaataaat caaaaaatgt 420

aactcttcan atgggttttg acttttttca aatgggttta agtntttcta aaagtcataa 480

c 481

<210> 11628

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11628

agcttaataa atctatatat ggtttaaaac aagctttctt gttcttggta ccttaagttt 60  
 tatgggataa tttcttcatt tggttttgat gaaaacccca tggatcaatg catataccac 120  
 aaggtcagtt ggagtaaaat attttttttt ttatatatgt agatgatatt ttacttgcag 180  
 ccaataacat gaggtgaaac aatttctctc taagaatttt gacatgaagg atatgggtga 240  
 tgcatcttat gtcatcgcca ttaagattca taaagataga ccttgatgta ttttaggtct 300  
 attacaggaa acctatatta acaaaatttt agagattntg gatgaaagat tggtcaccaa 360  
 gtgttgctcc cattgtgaag gggtgataag tttaattgaa ccaattctca nagaatgact 420  
 ntgagagga acaaatgaaa aatattcctt atngctttgt tgntggaagt ctcatgtata 480  
 ctcaagt 487

<210> 11629  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11629

ctcagcttaa ctcatgaaga agtctcaaat ctcttatcat ataattagat gctcttatat 60  
 caataattca caccgtgttt ttacctatca ttctttctat ggtgcttccc ttatgattgt 120  
 tcagaagatt caccagagtt tgccactact cactgctcaa acctgtcagt ccgcccttgt 180  
 gtgtatccat cgcttataga atcgntctc cattggaatg accatttttg ataccaaac 240  
 acctgaaaac agtttgtggc atcatgtctt gttcggttgc agtgcccaca aacogtggac 300  
 ttgtcttttg catctncacg cctctttgtc ctccaccaa ttgacacagc cagaacaaca 360  
 acttcccctc gttcctcctt ggttctggag attgccttca cacgtctntc ttgtatgaga 420  
 gtagcatata ctctgttaaa tga 443

<210> 11630  
 <211> 416  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11630

gtggtaatca gagcacaaga gcttcaagtt gccatatagg gaattggaag gaggattggt 60

gccatccctt gaagaatttg agtcaagaag caaggggcca accaccttat gagctatngg 120  
 actaagaagc actccaaatt gggatgaatca ccaaagagag aaaaaccacc aaaattgagg 180  
 accctttttgc aattctgtaa ttgacaattt actttacttt cattgcttat caaatttgta 240  
 acaaaaaggc ctttcattgg aagtaagtag ggagccteca atagggcacc ctacttacct 300  
 ctgagtgaat aaatttaggc aattttccct tatgattgtg agtgttttgt tgggaacctt 360  
 aaaagtggc atccaaacac tcataggata tccctagatt acatatctcg ctact 416

<210> 11631  
 <211> 468  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11631

ctcataactg aagaacttac agcagatttt gtgtattttc ggcacagtt agtaccattt 60  
 cctttgaaca gccacgaaa accttcagtt ctccatatat attttagacc ttgaattggt 120  
 ccattgtatt taatgctgtg tggattctga acctgtaaat ggcagaggca catcacatcg 180  
 cacatatgat atcgatacac ccaaccacaa aagaaccaac aaaaaaggta gcttgtcaga 240  
 tgcacttttt ttctttataa caagaataaa tgatagctaa atccacattt aaaggtaaac 300  
 aactatatgg ggattaacct gtagcaaaat cttcaagcgt tccagtggag caactgctgt 360  
 tctgtatctg catatataca aaaaagggtc aaatcaatta aaactcgaca taatgcaaaa 420  
 naggatgttg aaattatcag taagaaatag ttccaggaa aattggat 468

<210> 11632  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11632

tactaagctt cttagaaaaac gtggcattgt ggcgaataca caatgcctg ttaccacaa 60  
 caaatggta tatcagaaaag gtgtaataga actttaatgg atatggttga gtatgttaat 120  
 caatttgaat ttactcgtat ctttgtggat gtatgcctg aaaactgtca tgtaattggt 180  
 gaatagggtt cctagtaagg cagttccaaa gacacctttg aaactctgga caaataggac 240

acctagtata aggcacttgc atgtttcggg ttgtcaggca gaaataagga ttataatcc 300  
gcaagaaaga aaattggatg caagaacaat caatggatat ttatttggtt atccagaana 360  
atcaaaggag tatatgttnt attgtcctaa tcatagtatg agaattgtcg aaactagaaa 420  
tccaaggttc attgaaaatg gtgaaatcag t 451

<210> 11633  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11633

gettacaata gagctgttca tatcaccact aattgttctc ctnttgaagt atgttatggt 60  
tttaaccac taactcctct tgatcttttg cctatgccta atgtttctgt tttaagcat 120  
aaagaaggtc aagcaaggc ggactatgtg aagaagcttc atgagagagt caaagatcaa 180  
attgagagga aaaataaaag ctatgctaaa caagccaaca aagggcgaaa gaaggttgtc 240  
ttcgaaccgg gagattngnt ttgggtgcac atgagaaaag aaaggtttcc ggaacaaagg 300  
aatcaaaagc ttcaaccaag gtgagatgga ccatttcaa tgctnganag aatcaatgac 360  
aatgcttaca aagttgagct gcccggtgag tataatgtta gtccacctt caatgtctct 420  
gattnatctc tttttgatg 439

<210> 11634  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11634

tatcagatcc tgaaataccc nctcaccact gagtctgcct gattaagatt gaggacaaca 60  
acactttggt ttccattgtc gacctgcgtg ccgacaagaa gaagatcaag gatgcggtga 120  
agaaaatgta tgacatccag gccaaaaaag tgaacacctt gatcaggtga gcattcatgc 180  
aatgattgca gttttgatag taatgatttc atattgcatt attgctgatg aaatttggtg 240  
attggtagtg atttccgtat tcacttagtg gtataaggta ttgatgttgt tgtgaaattg 300  
atgcatgatg tcatgatgtc acatgacgtc acatgtaatt tctagttttg atatcttnt 360

gaagacctg ttatgttgat gcatgatgac atgatgtcac atgtaaatc tagtctgtc 420  
 tgtacactc agctnttttn tctaccttt aaacataatg gaatagtcct gttct 475

<210> 11635  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11635

tgggcttact attctcatcc natctcatca atacattaaa gttatatgat tngacttntg 60  
 cactgatgga aggggaatacc actatctact cgaatacccc taacaagctt gtaggagctg 120  
 tcggtaaata aaggctctca ccatccattt caattttctc caactcccta ccacatatgg 180  
 taaaaataaa cattaacttc tatcaaagac acattgaaaa tttaacataa aaatccacaa 240  
 taaaaataag ccttcagaca ttnggccagt acctccggat accagctcgg cgttcttctt 300  
 tagggagtgg aaatagtaca ccagagatgg atgtaacttt gtcaaagaaa tcaaactctc 360  
 tnttaaatat gtcaa 375

<210> 11636  
 <211> 499  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11636

agtcacctga ggcattgcaag cttatcaaca tcaaacttgg agaaagagtt cttgtggtct 60  
 ttacatgaga agcaatcaag tataatgtta cttccttcac taaagcggtg atccatctcc 120  
 acacatattn tatcaatggc aacataaaaa atctttgcac ggaatgatga aaataatgat 180  
 agtcctcctt ctgctcttga cgaccccgaa ctgtatttcg tcatccatat ttgggtaccag 240  
 aatactttta gcaacacaaa atccttggac atcggcacaaa aaattattcc agccactctc 300  
 tctcattgtg cccaaccgag ctttgacaac atcaactaat tccatggcat tcacaatatt 360  
 aagatctttt ctttgcaata tatttgaaag ctcatttgtt tctatgacct ggacacgcac 420  
 aatctcattt gggtaaaactc attaacaca tttatgtggc ggtctaattc ggcttcttgg 480  
 tgacaacatt cacattctc 499



<210> 11637  
 <211> 494  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11637

tcagatttac ttccagtcac ctcattcaag actttgtttg cattctttat ctggccatct 60  
 tgnagacaacc tgcacaaaaa tgaattaaat ttaacaactc cagggcacaa ttaatccctt 120  
 agcctccatc attcctttca ttnttagagc tttatctaga tgatttgtag atgacaaaata 180  
 catatttgag caacattagt tcactagatg tcattatgtc cttccttcac cctgataaca 240  
 tagtccttca ggctgggtcat gtcacacca ctcttagtgg agtgatacct cagcaattca 300  
 gctagctntg tcttggtntg agaattccaca tcaagaccaa gtttaagggt gttagagaag 360  
 gcttcataaa acttggtata gtcttacaag gctagtaacc ttgatggtaa caagtacgtc 420  
 attggcatga ctatagtttt tcaacatggg agtatactag tatgtctaata gcctcatgga 480  
 anttcagtga tatt 494

<210> 11638  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11638

ctgcagcttg aaagcacatg attttgacaa actttttacca agagtnntac tctctggtaa 60  
 tcgattacca tattgttgta atcgattact agtagcaaaa tgagtttgaa aaagttttca 120  
 aactgaattt acaacgttcc aaatattttc aaaaggctgt aatcgattac aatggnttgg 180  
 taatcgatta ccagtgctct tgaacgttga aattcaaatt taaaaatgaa gagtcacatt 240  
 gtttcaactca aaaactttgt gtaatcgatt acacttantt ggtaatcgat taccagtgc 300  
 tgtttctaaa aggggttttaa gt 322

<210> 11639  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<400> 11639  
actcggtatg ccgatttgt cccgtagtat atcgagacgc tcgaaattca gaatagaagc 60  
tctgagcaaa atcaatcgac aataacattt tactcggtatg tccgattgtg tcccgttgta 120  
tattgagacg ctcgatatct aaaatagaag ctctgagcaa aatctaacga caataacttt 180  
ttactcggtat gtccgattgt gtcccgtgc atatcgagac gctcgaaatt cagaacagaa 240  
gctctgagca aaatcaatcg acaataacta ttactcgga tgttcgattg agtcccgatg 300  
tatatcgaga cgcttga 317

<210> 11640  
<211> 429  
<212> DNA  
<213> Glycine max

<400> 11640  
ttctcataag cttgaaatct caattttctga aattcatgaa gttggagctt cctgtgttcc 60  
ctagctacat tgagatcaaa atttagaaac ttcaatgcc agtaagcttt gtgctccaac 120  
tcaacaggtg agtgacaaga ttttccatag aaccaatgga agggagtggag tcttatagga 180  
gctctgtatg ctatttcata tgcccacaga gctccatcta atgaccgagc aactgttttc 240  
tctaggatct tcttgacttc cttggttagaa acttcaactt gccatttgt ctgggaatgg 300  
taagggtgagg ctatcatgcg tctgacacta tagtggttga gaactttctt gagttggaca 360  
ttacagaaat gagatccttc gtcatttato agtacccttg gtgtgccaaa cattgaaaat 420  
atgttttct 429

<210> 11641  
<211> 227  
<212> DNA  
<213> Glycine max

<400> 11641  
agatccacct tcatgaacgc cgttttcaca tacatttgat gcagctcaag atcaaaatga 60  
gctactaatg ccagaattac tcgaagagag tctttcttag atacagggaa taagggtctt 120  
ctgtaattga ttccatctct gtgagtcgaa tcttttagcaa caagtcttgc tttatgtctc 180  
tcaatggtgc cttctgagtc tttctttgtt gagaagacct atctaca 227

<210> 11642  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11642

tagagaagta ctgagcaccg cccaattcgt ccaacttttc attaatgtc ggaatcggaa 60  
 accggtcacg aaccgtgacg gcgttaaggg ctctgtaatc aacgcagaat ctccaagagc 120  
 cgtctgtctt gcggacgaga agaacggngg atgaaaaagg acttgtaactt ggtctgatga 180  
 gtcttttttg taacatatca ttgacttgct gctcgatctc cttcttcttg taatggggat 240  
 atctatacgg atggacattc acgggattgg tgtggggaag gaggtggata tggtggtcgg 300  
 tgtcacgggt aggaggttaag ccggaggggt tctgaaatan ggtcgagaaa cgtgtaagta 360  
 aggcttggtat ttc 373

<210> 11643  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11643

gaatcagaaa tctgtacctg tcgcaagggt ttgtggtttg tgctcctctg ctgaccacca 60  
 tacagacctt tgcccttcca tgcagcaacc tggagcaatt gagcaacctg aagcttatgc 120  
 tgcaaatatt tacaatagac ctctcaacc tcagccgcaa aatcaaccac agcagagcaa 180  
 ttatgacctc tccagcaaca gatacaatcc tggatggagg aatcacccta acctcagatg 240  
 gtccagccct cagcaacaac aacagcagcc tgctccttc tttcaaaatg ctgctggccc 300  
 aagcagacca tacattctn caccaatcca acaacagcaa caaccccgaga aaca 354

<210> 11644  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11644

agcttatnta acataaatat tanaactacc attatctnga ttataaagtt ntttttaaaa 60

aaaaactatt tgatcaaaag ttttgattta ataaattatt aattaagtaa tatatgactt 120  
 ataagttagg atttatattt tttattcatt ttatcctatt aattttntaa aaataacttg 180  
 taccttccga taattatgat atctatttta aataaattac atgtacacat tttgtttttt 240  
 tttttatcaa atttacttta cttaataatg aatttattaa aattttaatc attaaatata 300  
 catgcaaaac tataaatggt ttttacatca gtattttatg tactatatag ctaattaatc 360  
 aaataatttt aatcaatggt ntgaatttaa tcactaattt tcaatttata cctccagact 420  
 ttttaactca ttntntttta taaaaaaaat 450

<210> 11645  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<400> 11645  
 ggaccccat tctaccaact acaagacct ataaaaactat attatctaca caagaggtac 60  
 acttctctat atttgcatag agggagttct tcttaaagac tgaaagaact tgcctgagat 120  
 gtcttaagt atcatctagg ctctactgt acactaaaat atcatcaaaa taaacaactg 180  
 gcaatctact tatgaaatcc cttaagacat gatgcat 217

<210> 11646  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11646  
 acatcatgta tgagattcat ttactaccaa atatcaatat gttatccaga taaaaacata 60  
 aatgacacg ttcattatta ttaaattggt tcacatacac acatttatca ctatcattaa 120  
 tttgaaaatc atacaaaaga ataacttaat caaacttttg tgtcaatgct ntggagcttg 180  
 tttcaaacca tacaagatt taacaattta atttttaagg aaaaagaatt tcacagaaag 240  
 tcacatctct agactccata atagtaccat tagaaattgc agatacttct gaattaataa 300  
 ctaagaatct ataagtagta ttat 324

<210> 11647

<211> 323  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11647

gcgtctcgat atattacggg cctcaatcta catttgattt taanagtatn gncgnnnnga 60  
 attgctcaga gcttcaacat tcaattccga gcgtctcgat atatgacggg actcaatcag 120  
 acatccgagt aaaaagtcgt tgtcgtttga attggtcag agcttcaaca ttcaatttcg 180  
 agcgtctcga tatgtgacga gagtcaatca gacatccgag taaaaagtta ttgtcgtttg 240  
 aattggctca gagcttcac attcaatttc gagcgtctcg atatattacg ggcttcaatc 300  
 agacatccga gtaataagtt att 323

<210> 11648  
 <211> 355  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11648

cgaatatatc gagacgctcg aaattgaatg tggaagctct gagccaattc aaacgacaat 60  
 aactgtttac tgggatgtct aattgacgcc cgtaatatat cgacatgctc gaaattgaat 120  
 gttgaagctc tgagcacaat caaacgacaa tatactttta ctcgatgcc tgattgagtc 180  
 ctgtcatata tcgacacgct cgaaattgaa tgttgaagct ctgagccaat tcaaacgaca 240  
 ataactctnt acatggatgt ctgattgagt cctcgcatat atcgagacgc tcgaaattga 300  
 atggtgaagc tctgagccaa ttcaaacgac aataactttt tactcgatg tctga 355

<210> 11649  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11649

ctctgagcaa attcaaacga caataacatt ntactcgat gtccaattga atcccataat 60  
 atattgagac gctcgaaatt tanaacagaa gctctaagca aattcaaacy acaataacat 120  
 ttactcgga tgtgctattg agtcccgtaa tatatcgaga cactcaaaat ttaaacagaa 180

agctcataga aaattctaac gacaataaca ttntactc

218

<210> 11650  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11650

ataaaggtag tagtgccatg ttttcaaagc ccgtactaag gcatacaact ccttatcata 60  
agttgaatag ttaagggtag gaccacttaa cttttcacta aaataagcaa ttggatggcc 120  
ttcttgcatc aacacagccc caatcccaac atttgaagca tcacactcaa tttcaaaaga 180  
tttttgaaag tttggcaacg caagtatggn ggcattagtt agcttttgct taagaacatt 240  
gaaagcttct tcttgtttct cttcccattn gaaaccaaca tttttcttga gcact 295

<210> 11651  
<211> 289  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11651

gatatatcga gacgctcaaa attgagatcc gaagctctga gacaatagaa ccgacaataa 60  
ctntatacac ggatgtccga gagagtcccg tgatatatcg agacgctcca aattgaaaac 120  
gggaactctt agaaaattca aacgacaata actacttact cggatgcgcg acagagagaa 180  
gcaatatatc gagagatgct ccaaattgat tacgaaagcg cggagcacat gcaaacgaca 240  
ataacttttt actcaggtgt ctgagttagt cccgaaatat atcgagacg 289

<210> 11652  
<211> 419  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11652

ctcccagata gtgaatatgt gatctatggt gttctcttca caggccactt gatcaacatg 60  
cccaacaagt gatatcaaat gataccaaca ggtcacttgt ctttgattga ttacttttga 120

tgggtgtttt ctacttgagt ttagattgtc ctgatgatt gattgattnt ttttattgat 180  
 gtgtgtgttt ttgcttgatt gatgttcaat gtttgttact ttgattgatt gattatattn 240  
 tatatttgat tacttgcctt tgataattgc ttntgtattg gtgtttgcta ttgattgagc 300  
 ttgattgatg tgttattgta ctgctttatg ctgattaat attgaatgag tgtttaatgc 360  
 cttttggatc acttgattct atacattaca acaagtggaa ctttttctc tcttatcat 419

<210> 11653  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11653

atctctgag tcacctgagg ctgcaagcta caactntatc ttccacaatt ttgctctttt 60  
 acttggtatn natatnnttc taattaatat ctaacagagg cctcttctat atagatatct 120  
 acatgtccat ctattatcga acctacgata gaaacaagaa ctaaaatggg aatatcccaa 180  
 cgaaatagtc ttaaaattag taggcacaac aatctaacta gcatcatgga ttggagtttg 240  
 accccanana gactccaaat cgggccaccg aacaaatagc acagggtggt taaaaagatc 300  
 ccgaatgaaa atagagactt atatctattg tagtaagttc caccttttag tgattgtagt 360  
 aactctggtt taatagtcgt tagaatgtct ctntcatatt gagggaaattt atctaattgc 420  
 attcaatcac agaatcca 438

<210> 11654  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11654

gatctctgat gttaggataa atatctcctt tcattggatg anagtatgaa atgttgggtc 60  
 ttattcctct ccatagttca taataagtct ttctaataca tgggtgccatc tatattatgt 120  
 tttgaacata gcaagctatg ttaccgctt ctccctagaa gtttttagga agtgagtttt 180  
 cacaagcat ggtcctagcc atttcttgca gagtntatt ntccctttca actaccgat 240  
 tttgttgagg tgttctcggt gaagagaagt taaggaagat accattcttt tcatagaatg 300

atntanactc aacattctca aactcaattt catgatcact cct

343

<210> 11655  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11655

aattacttaa aggatgtttc tgaatgtgaa ccatatacta agtcatgcaa tctatacaga 60  
cacagattga gatgagtcta agaatatatg aaatatccaa gaatggattc accatattag 120  
anacacacct ggattttctgg atcagcaaca acatactgct tcaggagtct atcaccaaat 180  
gcacgtgaaa cagcaagaac tccaccaact ctccaagttc ctgtaaacat agtgtttaga 240  
atttccatag tgacaaacaa gatgaatctt ataataaatc aaataacana cagctaacta 300  
gaagataacc ttaccagccc acataacana gccacctgca tcttcaatcc ttgcctctc 360  
atcagttnga tct 373

<210> 11656  
<211> 281  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11656

aaaaacaact aacgcgatgtg ggatggcatg ntgcttaca tctgcgataa ctgtagtaaa 60  
aacaatcttc tttaaaagac cctttgacct taaaattcga agtggaacgt gctgcatcag 120  
tggatgcaca ctgattatta tatctggctg atattacatt aggccttggg caacctcgct 180  
gtaaaaagag aaaagatatt ttaactatga catgtgatgt tacattggta ttgagaagag 240  
atacgcatgc acaataaagt attctctgaa ccatggaatg c 281

<210> 11657  
<211> 274  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11657

ccttatngct aatgattatg ccatgttcat ctaacttatt cctaagtacc cattttatcc 60



ctatgatggg agagatttca ggtctcgta ctacgcacca cacattgggt ctttcagact 120  
aatttaattc ttcttgata gcaactatcc aatgatcatc tattatgggt ccatctatgt 180  
ttgtagggtc acccatagac accaaattca tactatagca taagtctgta agagaatggc 240  
taatcgttac cccttatgag atatcacaaa taat 274

<210> 11658  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11658

gatggcttct tccattcca agcttcaatt ggagtcttat cttntacaga cttagttgga 60  
cattctgtga gtatgtaaac agcagtgtag actgcttcag ccagaaatgt gttaggtagt 120  
cccttttctt tgagcatcga tctagccatt tccataacta tgcgattctt tctctcgga 180  
taatccattt gttgagaaga atatgcgact gtaagttatc gctcaatgcc ttcactctca 240  
caaaatcttt caaacttgcg agaggtgtac tctttgtcgc gaacacttct taagtactt 299

<210> 11659  
<211> 263  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11659

tcttcaagaa gagagccttc cncaacagct aatttcaatc attatgcatt gtattaattc 60  
agtccaatct aatctattgt ggaatggtea taaggttgcc cctttcttac ctcaatgtgg 120  
ctcgagacaa ggagatccca tgtctccgta tatttctgtg acgtgtatgg ataagccatc 180  
tcatataatc ctttaagctc ttcatgcaag tcaatggaag cctatgagag ctgggtcgaaa 240  
tggaccattc atttcacact taa 263

<210> 11660  
<211> 282  
<212> DNA  
<213> Glycine max

<400> 11660

tgaacctaca acagteccag aattctgaca atctgccttc taaagctgcc caaaatccca 60  
 aaaatgtcag tgccatttca ttgagggtccg gaaaacagtg tcaaggacct taatccgtag 120  
 caccttctct atctgcaaat gaacctgcca aacttcactc tactccagaa aaagggtgatg 180  
 actaaaattt acctaacat ttctgtgcaa gtgaatcttc tctcacaggt aatactgatt 240  
 tgcaaaagca gcacattccc cctcttccat tcccttcaag ag 282

<210> 11661  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<400> 11661  
 tgcacaccaa gtattccatc tatggttgtt ttaccgatcc acatcctcag acaatgggga 60  
 aaggtaactg ttattgatgt caaacacaaac ctcttggtcat aagcggttga aaagggtctgc 120  
 aacttcagca tcaactacaa gccaatgctc aattatgcca cgataatgaa ggtacccac 180  
 atctctctggg gagttaatca agttgtccat gaagataaca taggatgtaa tgtcattgct 240  
 gcaatcaaga tgacactgct caaaggcaat cagggttgagg aacaaagact tggtagcgtc 300  
 gtggatcaag agccgtggta ttctgcagttt gccatcctta aatttgatgt cccagaagcg 360  
 atcgggtcttt tttttttt 378

<210> 11662  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11662

gcattggcag ttatgtctcc gcattgatng gtaaatctgt tctcanatt cctgnaaaat 60  
 gcaagaacc aggtacattc agcatacctt gtattatatg gaatagtaag tntgacaatg 120  
 ccatgctaga tttangagcc tctgntagtg ttatgctctc gtogaatttt aattctctat 180  
 ctctaggtec cttgcagtea actgatgtgg taattcattt agctaataga agtgttgtct 240  
 atctgttgg tttcatagaa gatgtcttac gtagagttgg tgaactgatt ctccctgttg 300  
 tttttatctc ttgaatatg 319

<210> 11663  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11663

atcttacacg atttccattt ctctgtgtg ataagaaaat atattatata gtattccaat 60  
 tggcaacttgt tattttctac aaaagtaggt gagatctgct agtgctaata atattattcac 120  
 tatgtataga actatgttat ttatgaattg gccacaagct cttaccttac aactgtcaat 180  
 gtaatgtggc tcattggata tttatatgca ctttcgtgcc actgtcagtc tgttatacta 240  
 gattaccttg ccagcaagac tatntgttca gatgatttgg tagttgtctc accagatggt 300  
 ggcggtgttg ccagagcacg tgctt 325

<210> 11664  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11664

aatgtccgat tcgngacat aactcatcta gacgctctaa attgaacaac gcaagctctc 60  
 gagaaattcg aatggtcata acttttcaca cgatgtccg attcggggac ataactcac 120  
 tagacgctcg aaagtgaaca acggaagctc tcgagaaatt cgaatgggtca taatatttca 180  
 ctcgatgtc cgattcgagg acataatata tcgagatggt caaaattgaa caacggaaac 240  
 tgtcgacata ttcgatggt cataactttt cacacagatg tctgattcgg ggacataact 300  
 catctagatg ctcgaaattg aacaacggaa gctctcgaga aattataatg gtcataactt 360  
 ttcacaccga tg 372

<210> 11665  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<400> 11665

ccttatgata tcaaacataa attgggataa ggtcatatcg taaccgatgc tctctctccg 60

cgtcacgcat tactttctat gcttgaaaca aaatagactg gtcttgattg tctgaaaaac 120  
 atgtatgaaa atgatgaaac ttttggagag atttttaata attgccaaga caatttacia 130  
 catggtttct ttagacatga gggcttcctt ttcacagaaa acaaattgtg tgcgcctaaa 240  
 tgttctac 248

<210> 11666  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11666

gaatatatcg agacgctcga aatngcatat cgaagctctg agacgactca aacgactata 60  
 actatttact ccgatgtctg atgtgagccc ggaatatgtc gagacgctcg aaagtgaata 120  
 ccgaagcttt gagcagtatc aaacgacact aacattttac tcggatgtct gactgagtc 130  
 cygaacatat cgagacgctc gaaatggatt atcgaagctc tgagcagcgt tatacgagga 240  
 taacctttta ctctgatgtc tgatt 265

<210> 11667  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<400> 11667

taacaaaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60  
 taaaaaggga aaaggtaata ttgtagctga tgctctttct cggcgtcatg cattactttc 120  
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa aacatgtatg aaaatgatga 180  
 aacttttgga gaaattttta aaaattgtga aaaaatttta gaaaatgggt tcttttagaca 240  
 tgaagggttc cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaatttt 300  
 gcttgtttgt gaagcatatg aaggagggtt aatggggcat tttggggctc aaaagactct 360  
 agaaacatt 369

<210> 11668  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 11668

gttcctctcc ccatttgaaa cctgcatttt tcttgagcac tcgattggga ggtgctgcca 60

atgagctaac gttgttcaca aactttatat ggaaactggc taagccatga aaactcctca 120

cctgggtcac agacttacgt gtaggccagt cttgaatagc cctaaccttg atcttatgaa 180

cttgcactcc ttttgaactc acaccaaagc caagagacac aacatgggta gtacatagga 240

tycattgggc aagattggca tacaatgggt cttttctaag caca 284

<210> 11669

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11669

gctctcgaga aatacttatg gtcataactn ttcactcgga ttgccgattc aggtgcataa 60

catatcgaga cgctcaanat tgaacaacag aagctctcga gaaattcaaa tggtcataag 120

ttttcacatg gatatccgat tctgtgttat aatatatcga gacggtcgaa attgaacaac 180

gactcgagaa attcaaattg tcataacttt tcaactcgga gttcgattca ggcgcataac 240

atatcgagac actcggaatt gaacaatgga agctctcgag aaatacaaat ggtcatagac 300

tttcaactcg atggccgatt aaggcgcatc acatategag acgctc 346

<210> 11670

<211> 383

<212> DNA

<213> Glycine max

<400> 11670

ctgatgcaac atttgagag gttaatgaat cttcgagatg atgcgctcca tgagaggttg 60

gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttctctccatt taaaggaaa 180

aatgatccag aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgtcttt 300

gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360

tggacggaga tgaaaaagat cat

383

<210> 11671  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11671

gtgtntagtc tgaattgggg ttgagtactt accctnttct gctctcctaa cctcgtagtg 60  
tattttctcac agactaattt gtccccacac tcatcatcaa aatgggtgtgg ttgaaagaaa 120  
acacagacat atagttgato tgggccttac ctgtntacat catgcacett tacccttata 180  
gttntgggac tatgctgtta ctactgtttt ctatctaatt aatagacttc ctaccacttc 240  
cctcaactnt gctattccct ttgtcactct tttcaacaag gatcctgatt tccaattcct 300  
taaaactttt ggctgtgcct tttttttctt ttgttagacc ttatcatact canaaactta 360  
attntctgtc tcaagagtgt ctgttngng tactcctcat ctcataaagg tttcaaatgt 420  
ttgtcttcaa ctggcagaat ttata 445

<210> 11672  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11672

gacccatgta ttctgcaaca ttccactac cattngtcc tagggaagta gtggaaagta 60  
ttttacaag agattgttgc aatgcttcca tgccttgatt tanagcatcc tcagcctgct 120  
gggaagactg ttgtagatta caaattccca tcaactgctg atcttgtaat ggctcaaggt 180  
ggttcttgat gatctgaaac ccanaataca agaaacgagt caaaaaacaaa caaattatgt 240  
acacaagtga agttaattac tatcattnta gaatgtggat tngacctaac tcgaccccaa 300  
aaattagatt ataaggtgag agttacacct cacttatatg ctctgtcttg atcttatctc 360  
ttctcaatat aggacttggg tttctttcaa tatacctctt cacacttagc accctttgga 420  
tttgatgcgt gaataaca 438

<210> 11673

<211> 322  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11673

ttgagccaat tcaaacgaca ataactnttt ttcggatggt tgattgagtc ccgtaataata 60  
 acgagacgct cgaaattgaa tgttgaagct ctgagctaata tcaaacgaca ataactnttt 120  
 tctcggaagt ctgattgagt cccctaacat atcgagaccc tcgaaattga atgttgaatc 180  
 tctgagccaa ttcaaacgac aataactntt tacttagatg ttgattgag tgccgtaaca 240  
 tatagagacg ctcgaaattg aatgttgaag ctctaagcca attcaaaata caataactnt 300  
 ttactcggaa gtttaattgag tt 322

<210> 11674  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11674

cgtgattcct aattatatta aagagttaaa anaatatatg agattaataa aattagagaa 60  
 tattatgata tatatnttta gttaccatgt aggtacttaa ataaattaga agcttaaggt 120  
 agttgaacat gttgtgaatt attctgaagt taaatntgtg tgttggtggt gggtttgttt 180  
 cgttatgtac gttcattaaa aaatgagaaa attaattagt agtcttagaa taaatataaa 240  
 aactgtgaa taaataatta ttatatctaa gttatataat acacataaat taaaacagta 300  
 cggatgatga gatgagagac atagagacat acataataaa cataacataa tttacaaga 360  
 aatacgaga 369

<210> 11675  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11675

tcactatgaa tgacaaattc cttngataa aggtagtgtt gccatgtnt caaagcccgt 60  
 actaaggcat acaactcctt atcataagtt gaatagttaa gggtaggacc acttaactnt 120

teactaaaaat aagcaattgg atggccttct tgcacaaaca cagccccaat cccaacattt 180  
 gaagcatcac actcaatttc aaaagatttt tgaaagtgtg gcaacgcaag tatggnggca 240  
 ttagttagct tttgcttaag aacattgaaa gcttcttctt gtttctctcc ccatttgann 300  
 accaacattt tcttgagcac ttcattgaga ggtgctgcca atgtgctaaa atccttcaca 360  
 aatcgtctat 370

<210> 11676  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11676

gcgcataatta tatcgagacg ctcaaattaa ccaacggaag ctctcgagat attcanatgg 60  
 tcataacttt taactcggag gtccgattca ggccgataat atatcgagac gctgcgaaat 120  
 gaacaacgga agctctcgag aaattcacat ggtcataact tttcaactcg atgtcagatc 180  
 aggccgataa tatatcgaga cgctcagaat taacaacgga agctctcgag aaatccaatg 240  
 gcataacttt cactgggatg ccgttcacgc cataatacat gagacctcat attgacaacg 300  
 gagctctcat aaatcaatgg catactttca etc 333

<210> 11677  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<400> 11677

tcaagctgtg aggacctgta tatccttggt tccttacaag aatgtctggg ctggaagtt 60  
 gcaaagtcca gcaaggcgca tgaaatgact caccgaaaat atgccctttg tctattagag 120  
 gatactgggt ttcttggtg caaaccatcc tcccttccaa tggatccaaa tttaaagctc 180  
 aacatgcccc gagtgattt actgccccat ccttcaatgt acatgcgtat acttggtcag 240  
 ctcatgtacc taactatttc aaggcgggat attacatttg ttgttaacaa gctaagccag 300  
 tacatgcaac atctcaagac acctcatgta gatgttgcca tcatctgcta caatatatc 359

<210> 11678



<211> 350  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11678

agcttatctc ctaatgcacc tattccattc ctcccatggt catcatcacc ataaacagca 60  
 ataacctctc tccagccaaa gtagttaaca gagtctgcta ttgcagtcac ttcataaatg 120  
 tcactaaaag cagctctaat aaagaatggg aattgaagtg aagaaagagt atggtcagtg 180  
 gctgtaaatg atagtagagg aactnggagc tcgttcgcta tatgagatat gacatgagct 240  
 gttgtagacg tctggggacc gattatagcc acagtttgtg tgccatgagc tgcaggctat 300  
 acacacaatt tatgtaacca agagaataat ctgcaaactt tgagaacttg 350

<210> 11679  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11679

agaatgaagc tctgatacca cttgttgagc aagtggcctc agatatctta agaagggggg 60  
 gttgaattaa gatattacaa attatttccc canttaaaaa ttctatttaa ctttctattc 120  
 aagttataaa ttcccttaat aatgaatntc ttaaataatta attcaaatag aacaagttga 180  
 atatgaatat aaaacaataa taaataaagg gagttaaggg aagagaaagt gcanacctca 240  
 gattatactg gttggggcac acccttggtc ctacgtccag tccccaagca acccgcttga 300  
 gagttccact atcttgtaaa ttctttttat aagttctaaa caca 344

<210> 11680  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<400> 11680

agcttaacaa ggctctctat ggctaagttc taattctcca aggcagcgga ttcacaggtt 60  
 aaaaatctact atacttgagc atggcttagg aacagacagg tgacatgctt cctctgttcat 120  
 ctacacacat caagagcata ctgtctatct tttagtctat gtggatgata tcatcatcac 180

aaacagtttt gtctatctta gtcggcagct aactttcaaa ctaaacattg ccttgtctca 240  
 taagaaaactg tgtcatttgg actattgttt gggactagag atcaaatatc atgcttataa 300  
 ttctatacta ttgactcata gcgattatat tcatgattta cttcacaaaa ctcatatggc 360  
 tgaagcacat tctattttct ctcccatggg tcta 395

<210> 11681  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<400> 11681  
 agcttgaagg taaactagat gccttggtta acctggtaac ctagnetggc ttgaataaaa 60  
 aatctgcact tgttgccaca ctctgtggtt tatgtctctc tgccgaccac cacacagacc 120  
 tttgcccttc tgtgcagcaa tctgaagcaa ttgaacagcc tgaagcttat gctgcaaaaa 180  
 tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc 240  
 tctccagcaa caggtacaat cccgggtgga agaatactcc caaccttaga tggtcgagtc 300  
 ctccacaaca gcagcaacaa caacaacctt attttcaaaa tgctgctggc ccaagcagac 360  
 catacgttgc tccaccaatc cagcagtaac aacaacaaca gcaaccgcaa tag 413

<210> 11682  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<400> 11682  
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 gatgaataag atcatgagga agcggtatgt tccggctagt tactcaaggg acttgaaatt 120  
 caagctccaa aaactaacc aaggcaacaa gggggttgag gagtatttca aggaaatgga 180  
 tgtgctcatg attcaagcaa atattgaaga agatgaggag gtaactatgg ctcgatttct 240  
 taatggtttg actaatgata tccgtgatat tggtagctg caggagtttg ttgaaatgga 300  
 tgatttgctt cacaagcaa tccaagtga gcaacaatta aaaaggaagg gagt 354

<210> 11683  
 <211> 410  
 <212> DNA

<213> Glycine max

<400> 11683

agcttcttag tctcgactga tgaagatgaa ttcgtggtta cttcatgcac tctctaatg 60  
acaatagcat cacttcggcg actaaattgc tgggagtttg aagccatctt ctcaattaaa 120  
tttctggctt cagaaggggt catgtctcca agggctccac cactggcaac atctatcata 180  
cttctctcca tgttactgag tcttcataa aaatattgga gaagaagggt ctcaaaaa 240  
tggtgggtgaa ggcaactggc acataatttc ttaaattctt cccagtattc atataagctc 300  
tctccactga gttgcctaatt ttttgaaata tcttttctga tggctgtggt ctggaagta 360  
gggaaaaatt tttctaagaa atctctcttg aggtcatccc agctcgtgat 410

<210> 11684

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11684

ctgacagcca atgggtgagt ccagtttaag tggttcctaa gaagacatgc ctacagtga 60  
ttaagaatga gaagaatgag cttatcccca caagagtgcga gaacagctgg cgagtctgca 120  
tgggttatag gaggtgaac caggtgacca gaaaatatca ttttcccttg ccattcattg 180  
atcaaatgct tgagcgcttg gcaagtaagt ctcatctacta ttttcttgat ggttttctg 240  
gttatttaca aattcatatt gctcctgagg atcaaganaa gaccatattc acctgttctt 300  
ttagcacttt tctctataag aggatgcctt ttggcctatg caacgcccct gataccttct 360  
agtgatgtat gcttagcatt ttcagt 386

<210> 11685

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11685

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catgcctcac agtgattaag aatgagaaga atgagcttat cccacaaga gtgcagaaca 120

gctggcgagt ctgcattggt tataggaggc tgaaccangt gaccagaaaa tatcattttc 180  
 ccctgccatt cattgatcaa atgcttgagc gctcggcaag taagtctcat tacctatttc 240  
 ttgatgggtg ttctggttat ttacaaattc atattgctcc tgaggatcaa gaaaagacca 300  
 tattcacctg ttcttttagc actatttctc ataagaggat gccctttggc ctatgcaacg 360  
 ccctgatac cttctagtga tgtatgc 387

<210> 11686  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<400> 11686  
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 agcattttga tgatgtgtgt gagggcaa atctctgtga atgatcccat gggtttgaaa 120  
 aatgagata agaggtctaa attcacctcc ccaatctgtt tgaacactct taattttggt 180  
 atcaaatgg agttcagtc tgggttttaa ttggtaaaaa acagaaaatg ttctctgattt 240  
 atttttaaga gaatagatcc aagtgaactt agaataggca tcaacaaagc tgatataata 300  
 agagaaacca tttgtggcac aaatcactgt atatagttca agagagcaga tatacagttg 360  
 aaatcatggt agtctatgtg actttcacat aac 393

<210> 11687  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11687

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 agtgttagag agaagnttag ttgaatgcaa aaggtagagg aaagaccttg ccgccaaactt 120  
 cagaatcgaa gtcgtacttg tcaagagcag cagtgaagtc ttcgatgggt aatgaaacac 180  
 cttccattgg agcattgcgg catctctcgt aggcctcttc gaagagtttc ttaagcctcg 240  
 ctctctcttt gttctgcgca ttggctattg ctattgagtt cgcaatggta attgaaacgc 300  
 gcttttggga ttgttgggtc caaagagaag gtttggagaa gagagaagaa gatgagagtg 360  
 gggagcac 368

<210> 11688  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 11688

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 caaacttaac atacatatta gattgtaatt acatgatgat ataaaattat ttatactat 120  
 taatatataa cctatttttt caaataaaat taccatactt taatgtaate aaatgattat 180  
 tatgatgaga aaactaatat aaaataaacc tctttaatat gaaattaacc atttactta 240  
 caagaattga tattataata atatattatt atataacagt gaaataaaat acaatattga 300  
 aaaggtgata acaaaaaggt gtattcttaa atttggttaa aaaatataaa gtaaatcata 360  
 ttcataaatt aattttaggt ctgacgacac ccatgatcac t 401

<210> 11689  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11689

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 ccactcttca gtcttccctg ctaaccaa atgttagaaat atttcgagtt atgaaaacaa 120  
 acatctatag ttggttttcc ataccactt gtacacaggt gcaaagccac cttcttccaa 180  
 tatgttactc tcagtgaagt tntcagtggc tctttctatg atggggaaat caaatgtgga 240  
 caaatcaatg ccttcttttc tcagttttcg ttggaatgg ttcctataaa ttattcttgc 300  
 tacctctgat aggtttgaag ataacaatag agaactacta tgacactcac aatgtgcacg 360  
 tatgattcat aaacctacta tcatatatta gatgttatca atatccaaga caaaaattac 420  
 ctggctttct gaggat 436

<210> 11690  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11690

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 ggatttcagg ttatatcaaa tggatgtgaa gagcactttt ctcaatggat acattgaaga 120  
 agagatatat gtagaccaac ctctatgttt tgtagacttc anacatctaa tcatgtgtac 180  
 aagctgaaaa tggctcggta ttgtttaaaa caagaacctt catcttggtt tgaagaagt 240  
 agcagatttc taattaagaa atcatttgta agaggtcaag ttgacacaac atttgttate 300  
 aagagatcaa ataatgagtg gttgatttg catatttatg ttgaagacat aatcttt 357

<210> 11691  
 <211> 490  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11691

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 gatctctatt tatagcctaa gtgtcacaca aaattagagg gaaatttgaa tttctattca 180  
 aatnttactt gaattggaaa ttgaatttgt ggagccaaaa tttcactaat tatgattatt 240  
 aaatttttagc tatgattcag cccacaaatt caagatcaag tccaagattc tccactaagt 300  
 gtgcttaggt gtcattgaggc atgtatagca tgaaggacat gcacaaagtg tgactatatg 360  
 atgtggcaat ggtgtgtagc aagcaaattgc tcacctnctc ctctaaaata taattggatt 420  
 gngcttcttc caattaaaaa aaattaattc ccaacacaca tcanatttca cttaattgat 480  
 cgaattataa 490

<210> 11692  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<400> 11692

agcttgcttt gaaaatttcc ctaccctat gccttacaaa ctacaatggt tgagtggaga 60  
 ttgggagtta gttgtaaata gacaagtttt gatatgcttc tccattggaa aatatgttga 120

tgagatattg tttgatgttg tccctatgga agctagccat cttttacttg gaagaccttg 180  
 gcaatatgat agggatgttg tccataatgg ggtcacaaac aatttttcat ttgtacataa 240  
 agggcaaaaag gtttagcctta cacctttgtc tccaagtggg gttgtaagga tcaataaaaa 300  
 atgatagtga aaagagaaca agagagaaaa gaagagaaaa acaaaattga tgaaaagaga 360  
 tagaaacatg aaataagcga aaagaaagaa aataatggag ataaagaa 408

<210> 11693  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11693

gatgatgcac tccatgagag ggtggatcaa atggagaaca gagatcataa tgaagaataa 60  
 agaaggagaa gaggaatga tgggtttcct agacaaaact gaattgatgg tattaaactc 120  
 aacattcctc cctttaaagg aaagaatgat ccagaggcct acttgaggag ggagatgaaa 180  
 atagagcatg tnttctcatg caacaactat gaggaggacc aaaatgtgaa gcttgccgcc 240  
 acagagtttt ctgactatgc tcatgtgtgg tggacaagc tacaaaaaga gagagcaaga 300  
 aacgaagagc caattgttga tacatgggag gagatgaaaa ggatcatgat gaagcgggat 360  
 gtg 363

<210> 11694  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 11694

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 atatatcgag acgctctaaa ttgaatgttg aagctctgac caaattcaaa cgacgataaa 120  
 tttttactcg gatgtctgat tgagtctgt tatatatcga gactctcgaa attaaatgtt 180  
 gaagctctaa gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagccccg 240  
 taatacatcg agacgctcga aatttattgt tgaagctctc agcatattca aacgacaata 300  
 acattttact cggatgtctg attgagtccc gtattacatc gagacgctca aaattgaatg 360  
 ttgatgctct cagcaaattc aaacgacaat a 391

<210> 11695  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<400> 11695

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aaacagaaga acactaccaa aagacctgga agaaacagca atgtgacacc ccccaaaaca   60
attgctatct ttgctccctc gctcattttc ctgtatgata gaacactagg tctctctgag  120
actgttagtg gagacaatgt ggtattaggg gaaactgaag aacattgttt caaaggtgct  180
ccacataaca tcaaattacc tctaaatgag gaggcattga acttatggag acctgaagga  240
atagagccat tcaagtagtt gaagctcaaa tccaaatcct taaggctagg aaggttaaca  300
t                                                                    301
  
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<210> 11696  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11696

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ctgccacacc attctgatct ggagaaccaa gcatagtgtg ttgtgcaaca atcccatggt  120
cttgaagaaa tgtcgcaaat gaacctggtg cttgtgcatt ctctgtgtat ctacaatagt  180
acttcccacc tctatctgat ctacagatct taatttggtt tccacactgt ttctcaactt  240
cagcccttaa aactttaaag gcattctaaag cttctgatgt aatcctatcc cac          293
  
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<210> 11697  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 11697

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gagctttacc gagtgtctga aagcctcctc tatggttgag aaccactccc tatctccaca   60
catgtgattg ctagcaccgg agtcaagaaa ccaagtctct tcttgttgca agttgtcagc  120
ttcgacaaga gacatgaaca gcattctctg ttcttcatga atctcagcat aggtagccct  180
  
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ctccttccat cttgcgcatt cctattggaa gcgtcctaatt ttgtggcact taaagcactc 240  
 cactgtgggt ttgattgaga ctgccttccct ctgcctctgc ctgcaccccg accaaagcct 300  
 ctacctctgc ctgtacctcc attctgttct tcatgcgaga ccttcaatgc ttgtcctaac 360  
 cttgtgtacc accatgagaa tacattcttt gtccatgaac caaaaggct 409

<210> 11698  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<400> 11698  
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 aatggtcata acatctcact cggatgtgcg atccggggac atatattatc gagacgctcg 180  
 atattgaaca acccgagctc tcgacaaatt ataatggtcg taacttttta cacgaatgtt 240  
 cgagttcggg acataactta tctagacgct cgaaattgaa caccogaagc tctcgacaaa 300  
 ttggaatggt catacttctc aca 323

<210> 11699  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11699  
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 cggatcaatgg gagtaaaata tgttttcgta ttttatatgt agatgatatt ttacttgcag 180  
 ccaatgatcg gagtttgcta catgaagtga aacaatttct ctctaacaan ttgacatga 240  
 aggatatggg tgatatctta tgtcatcgac attaagatc atagagatag accttgaggt 300  
 attttgggtc tatcatagga agcctatatt aacaaaattc t 341

<210> 11700  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 11700  
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 ttccacgag ccataacgag attgcctttt gttaccttcc aagttccatc tccaaaagtg 180  
 gtgtaatgcc cctcatcatc caactgcctt atagatatta gatttctctt taagacagga 240  
 atatgtctga cattgtgcaa tgtccatagg aatccattgg aggtcttaat gtcaatatca 300  
 cctcttccaa caatgtcaag agattttcca tctgcaaggt aaactttccc aaatcttcca 360  
 gaagtatagt tagacaataa atcttttagag ggagtgggtg gaaacgacc 409

<210> 11701  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<400> 11701  
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 ttcattagtg ggctttcctt ctgtgtccag catcttgtga tgttcccagc cttgatgat 120  
 agctttccag gttctgctat ccaactgattt gaggaaggcc accatccttg ctttcagta 180  
 ttcatagttg gttccatcca gaattgggtg tctgttccact ggtcctcctt ctttctccat 240  
 gttcatcaga atttatctcc ctatagctca ctcaactgagt tcgagtgcgc gctctgatac 300  
 caatagaaat tctgatacca atgccagatg tcgtacagga tgtcacgaca tcacgcttca 360  
 gaacatgcat attatgtttg agagtat 387

<210> 11702  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<400> 11702  
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 gatattctaa gaaggggggg ggttgaatta agatattcca tactctttct tctaattaaa 120  
 aatctatctt actttttact taagttatga attcccttaa tgacaatctt cttaaatatt 180  
 aattcatatg aaccaacttg aatatgaata taacgcaata ataaataaag gagattaacg 240

gaagagaaca tgcaaaactca gttttatact gcttccgccca cacccttggtg cctacgtcca 300  
gtccccaagc aacccgcttg agagttccac taacttgt 338

<210> 11703  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 11703  
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tgaagtaacg gaaaatactt aaataaaatt ttttggtaaa aaaaaagga agagaaatta 180  
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tgtagactac catattaaag ttataagttc ttaaataataa ctactaata ct 412

<210> 11704  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 11704  
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gaaagccttt gcaagccaat ccagaacaat cgtctcaagt tcagttgcag caggagaagt 180  
tatccagctg aaaccacga tgtaaagacc cgcactgagc atctctccta gaaaccacgc 240  
aatgctactg ttggaaggaa aatacgcaaa ataatttggg ctttgccagt gcgtcacccc 300  
tggcagtatt ttttctgca catctacaat atggcaaaca ctatcaagct agcattgctc 360  
aaacaactct acaaaactaca agataacgaa actgcaacta ctaca 405

<210> 11705  
<211> 395  
<212> DNA  
<213> Glycine max

<400> 11705

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tggttctcta tttggttctt aacctcttca tgcaacttct ttacaaactc tgacctagat 180  
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aggggattaa acccatagac aacctctaaa ggggactgct tcgtggttct atgaaccccc 300  
tgtttagga aaattctaca tgagaaagat actcacccca agaacttatgg ttgcctttca 360  
gaagagccct taaaagggtg cataaagacc tattc 395

<210> 11706

<211> 380

<212> DNA

<213> Glycine max

<400> 11706

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tcctctgaa ggatgccatt gaggaaggca ttattcacat caagctgctg gagtttccac 120  
ttatgagtaa tagcaagagt cagaagaatt ctgacagtaa caagcttgat tataggtgag 180  
aaggctctcat tgtaatcata cccaagtctt tgatgaaagc ctttgacaac aaacctgact 240  
ttatatttgt taactggacg atcagggttt tcattgaccc tgaagacca tttgcaacca 300  
atgggagacc tgatggagg taaaaagtgg catgaagctt ttcccaaaga tgccatgtcg 360  
ttttgtcttc tactatatga 380

<210> 11707

<211> 374

<212> DNA

<213> Glycine max

<400> 11707

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gctatctgga gtcaatgaac aacctgaagt ctatgttgca aacatttata atagacccca 180  
tcagcaacaa aaccaacaac aacagactaa ttatgatctt tcaagcgaca gatacaatcc 240

aagttggagg aatcatccaa atctgagatg ggcaagtcct ccacaacaac aacagctggt 300  
 cccttctttc cagaatggtg ctggtccaag aaagccatat gttgctctc caatgcagca 360  
 acaacaaaga caac 374

<210> 11708  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11708

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 tgaaatgtta ggttttctac catgaaacaa ttcatatgga gttttcttta aaatgggtct 180  
 tattaaagcc ctattcatga tatagcatgc aatattaacg gcttcagccc aaaatttttt 240  
 tgaaagagga gtgtcattta ataagggtct agcaatttct tccaaagatc tatttttctt 300  
 ttcaacaact ccattttgtt gaggggttct aggtgcacaa aagttatggt caatgccatg 360  
 tttatcacan aataattcaa attctttatt ttcaaattca cccccatga 409

<210> 11709  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11709

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 ttacctgtgt caacttatat caaagaaaca tccgactccc ttgaaggatt caaagagttg 180  
 agtctaagac ttcaaagaca aaaagactgt gttatcaaga gaatctggag tgaccatggc 240  
 agagagtttg aaaacaacaa gtttactgaa ttctgcacat ctgaaggcat cactcatgag 300  
 ttctctgtca ccattacacc acaacaaaat ggcatagtng aaaggaaaaa caggac 356

<210> 11710  
 <211> 359

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11710  
  
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 gtaattcttc acatcattac tccaacagtt cattgnggct tcaatgggca cttcaaatct 180  
 taagaatccc ttaccaagct gtggtcacaaa tctgttcctt ccaaagcatg ttgtgttatt 240  
 gctgagtttc ttctggggg aacattgaaa caatacttgt ctaataatag gcagaacaaa 300  
 ctttcataata aggttgtgat tcagctggct ttatacctct ctagaagggtg agtcacatt 359

<210> 11711  
 <211> 307  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11711  
  
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 aggcccaaga aaccgcgtag ggccttagtt gttgtcggag gcggccagtg gagcatagct 120  
 tgtatcttat aagaatcggg ctcgacacct cgacgtgaaa caaaatggcc caagtattca 180  
 atccttcggtt gaccaaagat acacttgga gctntcaaac ggaaatcagc ttgttgcaga 240  
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 atgtcat 307

<210> 11712  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 11712  
  
 atatttcaa cagtcacatg tttgtacttg gttcttgaat ggccatcaaa agcttatata 60  
 tatgtgactt gagacacgaa tttgtctaaga gattntcaga acaaaaaggt cttatcctct 120  
 taaaagcaa aatcgtntta tcctcttaca aattccttgg ctaaaacact tgtgattcag 180

taaggaatta tntgagtgtc caaattgttc aatctatctc tttcaagaga gattttctct 240  
 tttcttcttc ttcattctga anagggatta agagaccgag ggtctctttg tgtgaaagaa 300  
 ttctaaacac 310

<210> 11713  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11713

cagctcgaga ataagcttct tcgcgtngaa gaatngatc tgcctgcatt atatacacat 60  
 aagtctcatt cttcaacgcc agaaacacgt aacccacgtg tcttttgcatt gggcccactt 120  
 gtttctaacg gtggagggtga acatgataat gatgatagtg gttgcattgag ttggctcgac 180  
 tcgcaaccga gtcgaaacct tgtgttttta agccttgga gctacggaag gttctcgaag 240  
 agtcagataa gggagatagc gttagggtta gagaggagtg gacaaagggt tttgtgggtt 300  
 atgaggaacc catatgagaa gaagtga 328

<210> 11714  
 <211> 334  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11714

tctacttcaa aaacccttga actacttcac attgatttat tntgtccctc tagaactata 60  
 agtttaggtg aaaattacta tggctntgta atagtagatg attactcaat gttcacatgg 120  
 gctntatatt tgaaaaccaa aatgaagctt tngatgcttt tcgcanactt gccaaagtga 180  
 ttcanaatga aaaaggtctt aacattgttt cacttagaag tgatcataga ggtgaatttc 240  
 anaatgagtt ctttgaaatc tttttgaaga aatgtaatta ccataatatt tctgaccaa 300  
 acacctaaca gaatgggttt ggaaggaaaa taat 334

<210> 11715  
 <211> 516  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations  
<400>        11715

gctgctgcc ctgattattg agggactcat ggcactatga attatatatt tcttgtgata    60  
aaggtagngt tgccatgttt tcaaagcccg tactaaggca tacaactcct taccataagt    120  
tgaatagtta agggtaggac cacttaactt ttcactaaaa taagcaattg gatggccttc    180  
ttgcatcaac acagccccaa tccaacatt tgaagcatca cactcaattt caaaagattn    240  
ttgaaagtgt ggcaacgcaa gtatgggtgc attagttagc tnttccttaa gaacattgaa    300  
agcttctctt tgtttctctc cccatttgaa accagcattt ntcttgagca ctccattgag    360  
aggtgctgcc aatgtgctaa aatccttcac anattgtcta taanaactng ctaagccatg    420  
anaactcttc acctcggtca cggacttang tgtangccat tcttgaatag ccctaacct    480  
tctctcatca actngcactc cttttgaact cacaac                                516

<210>        11716  
<211>        393  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        11716

gctctcatat gttatgcgtc tgaatcggac atgcgagcga canattttga tcatttttat    60  
ttgccgagag ccttcggtga tcaatatcta gcatatcgat acgctatgtg cctgaatcgg    120  
acatgcgagt gaaaagctat gaccattaga atttctcgag agcttacgtt gtacaatnta    180  
tagcgtgtcg atacgctatg cgectgcac gaacatgcga gtgagaagat atgagcatta    240  
tactttctcg agagagtgcc gctgggtcaat tcctagcgtc tcgatatgct atgtgcccg    300  
atcggacatg cgcgatganaa gtatgaccat gttaatntct cgagagcacc tgatgatcat    360  
gtctagcgtc tcatactcta tgcgctgaa tcg                                    393

<210>        11717  
<211>        297  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        11717

tagcctgtcg acatattatg cgccagaata gaacatccgt gtgaaaagat aagaccattt    60



gaatttctca agaacttccg ttgttcaatt tcgagcttct tgacatatta tgtgcccgaa 120  
 tcggatatcc gtgtgaanaa gtatgacact ctgaattcgc gatagttccg atgttaattc 180  
 gagegttcga tatatatacc ctgatcggca tccggtgaaa gtatgacctt gaattcacag 240  
 agcttcgtgt gattacgagc gtgtcattgt gatccctgat cgactccggt gaaagta 297

<210> 11718  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11718

aaccattata tttatggctt ttgattgtga tgaatgataa tataaataag ttgagtcttt 60  
 gtttaccatg gggttaacaag ttgggtgcacc ccagcatcat tggagcaaac atgggccttg 120  
 gcaagctgcc acatccaatt agtagtagca tcaacaggag gtgtaaccac gcgctntgac 180  
 cgggaattag gtccagcatg agggaggcta agttctatag ccacaggctt gagagtgcc 240  
 cgtgggtgca agaaaaagat ggtgcgtgtg gcatatgatt tctaccatc aagggcattg 300  
 atcccttcta agaaaggtag atatatatca tgataatcaa tcataaacag c 351

<210> 11719  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11719

agtgagctgc ccagtgagta taatgttagt tccaccttca atgtctctga tttatctctt 60  
 tttgatgcag atggagaatc cgatttgagg acaaactcctt ctcaagaggg agagaatgat 120  
 gaggacatgt tcaagaacaa nggcaaggat ccaactgaag gacttggagg acctatgaca 180  
 agggctagag caaggaaagc caaggaagct cttcaacaag tgttggtccat actatttgaa 240  
 tacaagccca agtttcaagg agaaaagtcc aagggtgtga gttgtatcat ggcccanatg 300  
 gaggagaact aatgacacc actctgtctc aat 333

<210> 11720  
 <211> 288

<212> DNA  
 <213> Glycine max

<400> 11720

gacaagaagt ttaatgagtg tatgagcaac tcaggattca acagatgtga catggaccat 60  
 tgctgctatg ttaagaaata tactaatagt tatgttatcc ttgtcgtgta tgttgatgac 120  
 atgttgattg caggatctag tatggcagaa attaacaagt tgaagcagca gttggcagaa 180  
 aactttgaaa tgaaggatct tgggccagct aaacaaatcc ttggtatgag aattcttaga 240  
 aacagatcag aaggaatctt gaagctgtct caggagaaat atatacac 288

<210> 11721  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11721

ctttcttgat gataatggtt actagactta ctctttgctc tatctgtccc aagttagatt 60  
 cgaatacagag aattccatga gagtcttgtt ttgaagtcac catctgagtg gaggatcaca 120  
 tacaatgatt actgtagtac tcatagatnt agaagccttt gatcatgttc tgaacaatat 180  
 ccaacaagct caacaacatt ngcatgccgt attctgtcaa tattatntat caattcaata 240  
 aattcatcat ccttctgggtg tgcagaggct ctcttgccca acttgctctgc ataacaata 300  
 ccattctcaa taactaaagc tacaaaataa ctatatattc ttcanaatca aatntctgat 360  
 gtgatcaaga tcagtaaata acaacaatag aagaaacttc anactaggaa taaacacttc 420  
 aatntctca atagtcacag 440

<210> 11722  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 11722

tttttcaggg tgtgtttact ggtaaatgtg ggacaagttt agaccatggg gtagtggttg 60  
 ttggatatgg ctctgaaat ggtgtggatt actggctggg gaggaattca tggngcactg 120  
 gatggngtga ggatggctat ttcaagatgc agcgcaacgt gagaacctcc acgggcaagt 180

gtggaattac aatggaggcc tectaccctg tgaagaatgg tctaaactct gcagttccta 240  
 attcagttta tgaaagcact ganggtgtat gtagcagtgc ttgatataac ctccatcgnt 300  
 atttatgacc ttcgaatttg gaaagaggaa cacgtgctga agtngcaaga aagtgatgtt 360  
 tctgtatatac tt 372

<210> 11723  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11723

atttcggggtt cctgtactn tccaaataat gtagcaaaag acatgttagt taaatctcgt 60  
 gactcggtaa tggagtgttac cttangttgt cattctctgc ttaaaccatct caatactcta 120  
 tttatgtgat cttcanttgg aanaaatata cctaaagatg caagatgaat tatttatatgt 180  
 gtaaacctct cttgcagtgc ttgtataactt tcatttgaat tcattctaaa taattcatac 240  
 tcatgagtta aagtatntat cctagatctt cttacatttg ttgtgccctc atgtgttact 300  
 tgtagggtat cccacatttc ttttgcactn ttataatttg ataccctana gtacttatcc 360  
 attcctaagg cagaatgtaa tatatnnttt agctttaagt tgtatggact aatctctttc 420  
 ttcttcactc attcttc 437

<210> 11724  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11724

tgaatatgat gtagaagaaa gtgaatgtga accttttacc cctttgaaag acttgatatt 60  
 aaaaatgttt taaaatactt ttaattaata tataaagtat tattccttta ttagtatata 120  
 tgtgaggggc tgagagtgc acaataacaa gggagctatt actaagaatt aataaaggac 180  
 cacaaaatnt gaatgataaa caatacagca tgtttaaaaa atttaataata ctattattat 240  
 attcttatct aatatttaag aatattacta taatctacac ccatgcatta agtataaagt 300  
 aagtttatat tattattcac tcatatatca tcattnaata taattttaag ataaatatta 360

gtagtattat agatgaataa ataattattga atgaagttaa aaattgatta cactgtatta 420

tatacttata ttttattaat acaaacatac ttta 454

<210> 11725  
<211> 271  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11725

gatcaggaga agacggcctt cacatgcctt tttggcgtct ntgcttacag acgaatgtca 60

ttagggttat gtaatgcact tgccacattt cagaggtgca tgttggccat tnttgtagat 120

atggtggaga aaattatcaa cgtattcatg gatgagttct tgatanttgg gaaagtgtca 180

tttcatggtt cgagaaggca tagtcttggg ccacaaactn tcagcccgag gaattgaggt 240

agacctggcc aagaatgatg tcattgagaa a 271

<210> 11726  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11726

atttttatta aagatctttg aatgttgtaa aanattatga ctatgagtggt aagtttttgg 60

tacatgtcaa ttcattagtc tttgagttag aaatttattg atttccaccc tgtgcgaact 120

cagcatttgt tataaaatgt ttaaaattca aagagaaagc atctgttttt attttttatt 180

aaatttgctt cacaaccctt tgcaaaactca gcaggttgca aaccaanatg cattcatgtg 240

atatagtgtc atccaacaac aacaacatcc cgtaaagttc aaaaagctag gcacagtca 299

<210> 11727  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11727

gtctctggca agctcatcgt cgctgctctt cgtaaggga tgtacatgtg gctncaactn 60

gatttctctc cttttctctc cttccaatc ggtctctctc ctctccttaa accctagcta 120  
 gcttctctgt tntctctttc tcttttaact ccaaatatgc aacttatgag tttctacttc 180  
 tatctgtctc angtatggct ggtgctatat acattaaagg agctgcagta acaaaactata 240  
 aaagggtgagg catattatgt gctatgaata actaatacta tctattatac tga 293

<210> 11728  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11728

gcttctgtgg gacatcttga cttgctntcc aatctgacat tcacatata ttctgccttc 60  
 ttctattttc agattgggaa tgcctctaac agcacctatg tcaatgatnt tcttcatgcc 120  
 tcttaagtgc agatgtccta atctgtgatg ccatattttg acttcatctt ctttggagaa 180  
 tagacatgtg gaggagtaac tggtttcttg aggtgtccat aggtagcagt tgccttttga 240  
 tctgtgcgcc ttcatagaa cttcactc 268

<210> 11729  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11729

gtgtgggtgt cggcagagga gcataaacca cagagtctgg caacaagtgc aaatttttga 60  
 ttcatggcca gttgagttac caggttaacc aaggcatcta gtttaccttt aagcttctta 120  
 gtctcacctg atgaagatga attcgtggct actttatgca ctgctctaata gacaatagca 180  
 tcaactctgg cactaaattg ctggtagttt gaagccatct tctcaattaa atttctggct 240  
 tcagcagggg tcatgtctcc aagagctcca ccaactggcag catctatcat actcctctcc 300  
 atgtttatga gtcttctata aaaatattgg aggagaagct gctcanaaat ctagtgttga 360  
 gggcaactgg cacatagttt cttatatctc ttccagtatt catacaagct ctctccactg 420

<210> 11730  
 <211> 489  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11730

atattcatta tgtatcatat atatcaataa aggtgattat tattactatt gttattggtg 60  
tettatttgt atattattta tattttaaat ttaattaatg ttgtacgtaa cgtaaaaaata 120  
attatgaaac acacttaagt gaacctgttn tatcatctat aataagggtt tgttatctca 180  
aaccatgata gcanaatgag gaagacatac acctacggcc aattgactct aaacctcatg 240  
aaagactata ccatatataa aagagaggat aaagattcat ctgcttcacg ttgtttatnt 300  
tttattcttc attnttaatt atgataataa taatgagggt agttcatatt ttcaataaac 360  
attacaatgt ttgagacaa gaaatacaca atttacatca atattatatg ttattgataa 420  
tataaacata aatgtattct caccttctaa cttacaaatg ttattaatgt gggtttatat 480  
gaactctgc 489

<210> 11731

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11731

cgacaataac tntntactcg gatgtttgat attgtcccg gatataacga gacgctcgan 60  
attgaatgtt gaagctctga gctaattcaa acgacaataa ctntntactc ggatgtctga 120  
ttgagtcctg tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca 180  
aacgacaata actttttaca cggatgtctg attgagtcgc gtcatatatc gagacgctcg 240  
aaattgaatg ttgaatctct gagccaattc aaacgacaat aactntntac tcggatgtct 300  
gattgagtc cgtaatatat cgagacgctc agaaatgaat gttgaagctc tgaggaaaatt 360  
caaacgacaa taactntnta ctccgatgtc tggatgagtc ctgtcatata tcgagacgct 420  
cganattgaa tg 432

<210> 11732

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 11732

gcttaacatt caatgtcag catctctata tattactgga ctcaatcaga catccgtgta 60  
aaaagtgtgt gttgtttgaa ttagctcaga gcttcaacat tcaattntga gcgtctcgat 120  
gratgacggg actcaatcat acatccgagt aaaaagttat tgctgtttga atttgctcag 180  
agcttcacaa tttaattatg agcgtctcga tatattacga gactctatca gacatctgag 240  
taaaaccgtt attgccgttc gaatttgctc agaggttcaa cattcaattt cgagcgtctt 300  
gatatatgac tggactcaat cagacattcg agtgataaag tattggcgtt t 351

<210> 11733  
<211> 513  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11733

atgtgcana catctacaac agaacaatta tgacctctct agcatcaggt acaatcccg 60  
gtggaggaat catcccaacc ttagatggtc gaatccttca caacaacagc aacaacaacc 120  
ttattttcaa aatgctgttg gcccaagcag accatgcgtt cctccactaa tctagcagca 180  
acaacagcaa cagcaacagc cccaaaaata acaaatagtt gaggccctc cgcaaccttc 240  
ccttgaagaa cttgtgagga aaatggctat gcaaaacatg cagnttcaac aagagactag 300  
agcctccatt cagagcttaa ccaatcagat ggaacaattg gctacacagt taaatcaaca 360  
acagtcccag aattctgaca gattaccttc tcaatctatc cagaatccca naaatgtgag 420  
tgacatttca ttgaggtcgg gaaaatagtg tcaaggacct caaccagtag catcttcttc 480  
atccacaaat gaacctgccc aacctcactc tac 513

<210> 11734  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11734

tacaagacct gatgaactga tattcaatgg attntctctt tcaataccaa gtggcactac 60  
cgcagctntg gtaggacaaa gtgggagtg gaaatccacg ggtgttagtt tgatagagag 120

aatttatgat ccacagtctg gtgcagtgct tattgatggt atcaacctca gagaatttca 180  
 actgatatgg atcagacaga aaattggcct agtcagccag gaaccagttc tctttacttg 240  
 tagcattaaa gagaatattg cctatggcaa ggatgggtgca actgatgaag aaac 295

<210> 11735  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11735

tggtcataac gtntcactcg gatgtcggat tctagcgcat aatatatcga gacgctcgaa 60  
 attgaataat ggaagctatt gagcaattcc aatggtcata actcttaact cggaagtcgg 120  
 attgaggcac ataatatatt gagacgctcg aaatggaaca acggaagctc tcgagaaatn 180  
 caaatggtea taacttttaa ctcgagggtc ggatagagac gcataatata tcgagacgct 240  
 cgaaaatgaa caatggaagc tc 262

<210> 11736  
 <211> 494  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11736

tacgagcgtc tccatatatt atctgtcttc aatccgacat cggagtaaaa agttatggtc 60  
 gttagaatct gctcagagct tctgttctga atnntgagag tctcgatata ctacggaaca 120  
 caatcggaca tctcagtaaa aagttatggt cgtttggaat tgctcagagc ttctgttctt 180  
 aattacgaga gtctcganta tatacgggat tcattcggac atccaagtaa aaagttattg 240  
 ccgtnntgaa ttgctcaaag cattcgttgt caattacgag cgtctagata tattacggga 300  
 ttcatcggga catcagagta aaaagttatt ggtcttttat ttgctcaga gcttctgttt 360  
 tcaatttcga gcatcttgat atattacagg actcaatcgg acatccgagt canaagttat 420  
 tgtcgtttga atatgctatg agctntcgcg ttccattacg agcatctcaa tatgctacgg 480  
 gacacaattg gaca 494



<210> 11737  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11737

gacaatgctt acaaagtaga gctgtccggt gagtataatg ttagttccac cttcaatgtc 60  
 tttgatttac ctctttctga tgcacatgta gaatccgatt tgaggacaaa ttcttctcaa 120  
 gagggagaga atgatgagga catgaccaag agcattggca aggatccact tgaaggactc 180  
 ggaggaccta tgacangggc tagagcacgg aaagccaagg aagctcttca acaagtgtctg 240  
 tccatactat gtgaata 257

<210> 11738  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11738

aaagcattca agtgtacacc agaggcagag acaacatttg ttcaattgca gaaagtcattg 60  
 atttcagctc cagtgttagc tcttctaat ttccagctgc ccttcattct ggaaactaat 120  
 gcttccgaca ctagtattgg agcagtatta catcagaatg gccatccaat agcataattt 180  
 tccaagaaa ttgcacctag agtgcanaag aaaatctgac taattagaga gatgttagca 240  
 attgttgaag ctatagctaa gtccagacac tacttgctgg gacacanaat tattatcaaa 300  
 actgataaaa naagctngag aatcattgat ggaacaaccc tacagacacc tgaacaacag 360  
 cagtggttac acag 374

<210> 11739  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 11739

cccaactggc cttgaatcag aaaattgtac ctgtcgcaag gggttgtggt ttgtgctcct 60  
 ctgtcgacca ccatacagac ctttgccctt ccatgcagca acctggagca attgagcaac 120  
 ctgaagctta tgctgcaaatt atttacaata gacctctca acctcagcag caaaatcaac 180

cacagcagag caattatgac ctctccagca acagatacaa tcttgatgg aggaatcacc 240  
 ctaacctcag atggctccagc cctcagcaac aacaacagca gcctgctcat tctttccaaa 300  
 atgctgctgg cccaagcaga ccatacatto ctccaccaat ccaacaacag caacaacccc 360  
 agaaatagcc aacag 375

<210> 11740  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11740

ctgcacaagc caaatgagat agttgaatac ctgcacagtt gngatgaaat tntaaattgg 60  
 catcatcctt gaggctgctc atatctctgg aaaagtactc caaacaaagt acaaacagat 120  
 caggggagag aggatccctt tgtctaagac ctgctgccc ttggaagtgg ccataaatgg 180  
 atccattgac tgtcacacta aagaaagtga aagaaacaca ttccatgac caagtacaga 240  
 actgtgcggn gaagccaatg gacttaagca tccaatccaa gaattcccag gaaatggaat 300  
 cataagcttt atgcaagtca attt 324

<210> 11741  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11741

agatcatgca tacctttcta tggctaatat accattatnt tcacaattat cataacttcaa 60  
 gtagccaact ccctagaatt tataagagat cagtccgtga acaacagtga ctccctcggt 120  
 cacagaacaa taaatcaaaa tacataccac tattctaato aaaagactta taagagaagt 180  
 tgtttcaacc aaatcaaatc aataacaatt cacaactctt ctacaacaga atgaaaatga 240  
 ataaataaaa gaatcttata tatcatgctg tgctntcacg ctcttcttat cccaacatat 300  
 taatagagga naaccagaa acat 324

<210> 11742  
 <211> 470

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11742

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtattc ttgtggaacc 60  
ttcacccgac gaagacactg gcaaaaactt atcttctcct tcttggacaa agtgtggcag 120  
gctgtgggca agtaaaattat cttcccatca gaccttggat gcaactgtgc tcttataccc 180  
atatcagcta gatcttgacg ggtattcaag ccatcattcg tcttgccttg aatgttaagg 240  
agcgtcccaa tcacactgtc acaaacantt ttctccacat gcataacatc aatacaatgt 300  
ctaagctcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatag 360  
caactctgac tnttatcctt cttttgggtc tgtccaaata cagtgttcag gtgttgaacc 420  
cgctgatata cctgctcacc agtgaacatt atcggcgcaa tatcatgctc 470

<210> 11743  
<211> 473  
<212> DNA  
<213> Glycine max

<400> 11743  
agcttcctta agaagattac taaagattct agagcttata tacacatacc tctctaatag 60  
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tatgataggt 120  
gagctcacc ccatgacaaa aaacatgaga ataataaaaa aaaagtgtt attacaaaga 180  
caactcataa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240  
caaggctctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcatact 300  
tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc ttctcttgga 360  
tctctagccc aatctacttg gagtcttcta gccaatgcta ttgcggggta gगतatgcac 420  
attccctcca ccttggaag gaattgacct cacatccga gggtcttcat act 473

<210> 11744  
<211> 517  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11744

ctaagctcct taaaagatcc taagaagctg agatagctac catacttttt aatagctaag 60  
 ctcatctcct tgagatgaaa agctagagct tagctacaca cccnctataa tagctaagct 120  
 caccncatg acaanaaaaa aacatganaa tacaaaaaaa atagtcctta ctacaaagac 180  
 tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaaaac 240  
 aaggcacaaa cgaaggaaaa acctattcta atatttaca agataagcgg gctcatactt 300  
 agcccatgga ctcaaaatat accctaaggc tcatgagaac cctanggcct tcccttggtat 360  
 ctctagccca atctacttgg agtcttctac ccaatgcctt tgcgggatag gattgcatca 420  
 ttccctccac cttggaaaagg atttgacctc aaatcccgag gttcttcata ctctgggggt 480  
 cttcctcaac acctgaaaaa gaacaaaaca tatatat 517

<210> 11745  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11745

agcntgagac ttatcatgac caaatctctg gtatatcgcc tctaccttaa gcaagcattg 60  
 tattcattta agatgctaga aaatataacg gtagaagaat agtcagatgt ctntaataaa 120  
 ttgattcttg atcttgaaaa cattgatgtt actattaagg atgaagatca ggcattactg 180  
 ttattgtgtg ctctacctaa gaccttngct catttcanag aaacacttct ctatgaaaga 240  
 gattctctta ctcttggtga agtccaatca gccttgaact ctaaggaatt aaacgaaaga 300  
 aatgaacaaa ggccttctgt acatggngat ggactcatag ttcgtggaag acagtataag 360  
 aaggatgata agacaaaagg gaaaagatcc aagtcacaaa ctcgatctgg atctaattga 420  
 ccagacatta gatgttatca c 441

<210> 11746  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11746

ctcagctatg ctgatacatc tacatagacc tcttcaacct gagcagcatt atcagccaca 60

acagaacaat tatgacctct ccagcaacag gtacaatecc aagtggagga atcatcccaa 120  
 ccttagatgg ttgaatcctt cacaacaaca gcaacaacaa caacaacctt attnttagaa 180  
 tgttgctggc ccaagcagac catacgttcc tccaccaatc cagcaacaac aacaacaaca 240  
 acaacaaccc cagatacaac aaacaattga ggctcctcag caaccttccc ttgaagaact 300  
 tgtgaggcaa atgactatgc acaacatgca gtttcaacaa gagaccagag cctccattca 360  
 gagcttaact aatcatatgg gacaattggc tacacagcta aatcaacaac agtcccagaa 420  
 ttatgacaga ataccttctc aatctatcta gaat 454

<210> 11747  
 <211> 492  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11747

gcttataatg ttaagctttg tcttatgttg ttcattgtgc tccccttctc tctatcacat 60  
 ttctcttaaa ctgattttagc tcttcattgca ttgccatcaa ccagtggttca ttacacaaag 120  
 cttcatcaat gtttcttggc tcaacctgag aaacaaaatc catgttttta cacaaaatcc 180  
 tgagtctaga acgagtagag acacctntg atatttctcc tattatgtta tccaaagaga 240  
 ggtctttctg agttctccat tctctaggaa attctttagg cgttctactt gagatctctn 300  
 tgctttcttc aagttcttta gaattgatat catcttcaag agcataatca ttntcctgaa 360  
 aagcttcacg ttcttattct annaaaatat cttgaacaat agagttaatt tcatcacata 420  
 ctacatgaac atatttctcc acacttagag ttatcctatt aaatactcta tatgctntac 480  
 tattcaatga at 492

<210> 11748  
 <211> 383  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11748

agcttaatan gtccatctat ggattgttat atgccttctc gccagtggta ttaaaattat 60  
 catgaggtea tttcttcatt cagctatgaa gagaatgtca tggatcactg tatataccac 120

aaggtcagtg ggagtaagat ttgtttcctt gtattatata tagatgatat tcttcttgcg 180  
 actaatgata aggggtatgct atatgagggtg aaacaatnta tctcaaagaa ctttgatatg 240  
 aatgatatgg gagaagcatc ttatgtcata ggcataataa tccatagaga aagatctcga 300  
 ggcatttacg cttgtctcaa gaaacctata tcaacaaaat tttatagaga attaatatga 360  
 aagatngttc accaagtgtg tct 383

<210> 11749  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11749

gccgtgagaa acatgggtgtt tcacttgtga aattgaatgt gaaatgggcc tctgatgtgt 60  
 atgacccat acctacatta ttatcacaca ctgttagaag caacaagaag cagcagaaat 120  
 ccaggaagaa gaagcctgac tagaagaatg gaaagaaggg tcataaggga aattcatctc 180  
 gagggggcag caacaagat aagcaggttc gcaagctagg tgggacttct ggtttgtgtt 240  
 acaagtcaat ggattcttgt gataaagtgc ttggagcttc tactgaatta gatgctcttg 300  
 aagttcgaag ccaggattca tactgtgtga actagcttcc tgaaanatag ttactgaagt 360  
 cactacttcg gtgagaacac tatgatgaat actctgaatg ctttctatct cctgatgaca 420  
 t 421

<210> 11750  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11750

gaccctccta ttctaagcag agattcactc taccccttca ctgaaacccc attacacata 60  
 gcctccttgc ttggacattt agagttttgt cagattcttc ttcagaatag tcccaattta 120  
 gccactgaat tggactcaaa agggcgttgt tctcttcac ttggctcagc taaagggcac 180  
 actgaaatcg tgaaagcgt attgaggaca taaccagaaa tgagtatggt gcgcgacana 240  
 gatgcgatgc ttccattcca tattgtctga attagagggc gcgtggggagc catcaaagag 300

ttgatcgaag agaagccaaa ctccattcaa gagatgatag anagtgatga tgggtctgtt 360  
 ctgcacttgt gcgntcgcta taaccatctc caggctctga att 403

<210> 11751  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11751

gtcgtcattg taagacaaag agactatggg gtgcactngt gtgatcgaaa gagatgttgg 60  
 agatgtcaca gaagcggcta taaaagggct tcctcttgag agaaagaacc ttaggttgga 120  
 ggagggaatg tccaaagtga cactgaggtc actgtatgat gagatttcac gggttatgct 180  
 gattgagtgt gttngagtgg aagagattgt gatatctggc acaaaagatt ggacataagt 240  
 gctgtggtga agaggagaag agggatgac gctgatagtg aagagttcga tgttttgacg 300  
 aggtaagggt gaatgtactc atctngagac ccgtttggaa taacaaagt 349

<210> 11752  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11752

taattaatat tcgaattttc attcctttat taatatatat gtgaggggta gaggggtgtca 60  
 catgtggatg caaagagaaa tttgtggaac ttgataagaa ggtgaaagga aatgtttctt 120  
 ttggagattc ttccaagggtg caaatccaag gaaaagggtac cattttaatt tctttaaaag 180  
 atgggtgtca caaattaatc acggatgttt actatgttcc taaactaaaa agcaataattt 240  
 tgagtttggg acaacttgtt gaaaaggggt atgaaattca tatgaaagat tgttgtttat 300  
 ggcttcgaga taaaaattct aattngattg ccaagggtgt tatgtcaaga aatagaatgt 360  
 tcactttgaa cattataacc aatgaagcac aatgtttgaa ggctagcata aaagatgaat 420  
 catg 424

<210> 11753  
 <211> 383

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11753

gtatgagaat aagttcctga gtggatattt gatgcaatcc tcccatggag ggngcccatc 60  
accagagtca tggtaagag actccaggaa gattgtgcca gggatgcaag agaatgcctt 120  
anggttctca tgagccttag ggtagctntt gggcccatgg gttaagtatg tgcccactta 180  
tctttgttca tattagatta tggtttcatt atttttttgg gccttgattt anggcaccac 240  
agtgtaggya gggtaaccca taagtttagg gtaccctagt aatgtaggaa ttttcagccc 300  
tgtatttta gggctcacag actaagtttt gtatcaggga tagtttcgta attcacatgc 360  
attaagtgca ctatttgatg tgt 383

<210> 11754  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11754

tagagccaat tcagacgaca ataacttctt actcggatgt ctgattgagt cccgtcatat 60  
atcgagacgc tcgagattta atgttgaagc tcttagccaa ttcaaacgac aataactttt 120  
tactogaatg tctgattgag tcttgaata taacgagacg ctcgaaattg aatgttgaag 180  
ctctgagcca attcaaacga caataacttt ntactcggat gtctgattga gtcccgtcat 240  
atattgagac gctcgaaatt gaattgtgaa tctctgagcc aattcaaacy acaataactt 300  
tntactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcaaaat tgaatgttga 360  
agctctgagc caattcaaac gaacaataac ttttactcgg atgtctgatt gagtcccgtc 420  
atatatcgag ac 432

<210> 11755  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11755



gcagcttaac attcaatttc gagcgtctct atatgttatt agagtcaata agacatccga 60  
 gtaaaaagtt attgtcgttt gaatntgcat agaggttcaa cattcaattt cgagcgtctc 120  
 gatattgtac gagactcaat tatacatccg agtaaaacgt tattgtcggt ggaatctgct 180  
 cggagcttca acattcaate ttgagcgtct cgatatatta cgagactata tcagacatct 240  
 cagtaaaaag ttattgtcgt ttgaatacgc tcagagggtc aacatatcaa ttcgagcgtc 300  
 tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg ttgaattgg 360  
 ttcagagctt caacattcaa ttcgagcgt 389

<210> 11756  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11756

ctaagcttct ataaggantg tattcaaagc ctctctcatg atgccaggaa tgttcttctc 60  
 cactatatta aagagcatag gagccaaagg gtctccatgt ctcaatctc tagaggggac 120  
 tatatccttt gtaggactcc cattaactaa cattgagata gtatctgagt gaagacatgc 180  
 agagatccac tatctccatt taaagcagag acctatctg tccatcatgt tatccaagaa 240  
 tgcccaggat attgaatcat atactttgtc taaatccact ttaagaatca tagcaggctt 300  
 ctttctctga gtagcttcat ccaccacctc attgagaatg agaattccat ggagaatgtg 360  
 cctatgtctt atgagagttg ctacctttca tcaataacct atccgcagag cctcaacaat 420  
 ttggcagagt gtgctatact tatacatgcc cc 452

<210> 11757  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11757

ctccaactca agatcatttag aatgcttcan aactaaaaac tcaaacctgc ccaaaacttg 60  
 cttccttgga gagattccgc aaacgatatt tcaagcacia taggtggtgc aagataaatg 120  
 agtaactgag tgagcgcagt gcatgaggct acagaaagaa attactttac actcaaacca 180

ccacagcttg accagtaatt tcatcatgaa gctgaagcga gccatctttc atcaaattta 240  
 ggctcanact ctngaattctc tcccttgaat attgcctaga tgctntcctc cagtcagttc 300  
 cagttttcat catcgccaca aactcctcat aactgatgag accatcctgt gaagtgaaaa 360  
 ca 362

<210> 11758  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11758

tgcagactaa gtgctcacca aactanata agaatcctc aggttgtttc atgtaaacct 60  
 cttcttctat atcaccattc aggaacaccg ttgtgacatc catttgatgc agctcaagat 120  
 caaaatgagc tactaatgcc aaaattactc taagaaagtc tttcttatat acaggggaaa 180  
 aagtctttgt gtaatcgatt ccttctctgt ggtgaatcct ttagcaacaa gtcttgctt 240  
 atgtctctca atgttgctt ctgagtcctt ctttgctttg aagatccatc tacatccgat 300  
 ggctnttaca ccaataggca actcaacgag atcccaaact cggtttagatg ccatagaatc 360  
 catctcatcc ctcatagcat tataccacag atttgattcc ttacaactca tggcttgatga 420  
 caacgtctc 429

<210> 11759  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11759

gctattgngt gtggttggtt ttataagatt aagtatcatg ctgatggctc cgttgaacga 60  
 tataatgctc gacttgtagc caaggggtat actcaaattg aaggatagga tttccttgat 120  
 actttatctc cagttgcgaa gctcacagca gtccgattat tgctagcatc ggctgctatt 180  
 catgggttgc accttcgtca gctcgatgta acaatgcagt ccttcatgtg agaataaatg 240  
 aataagtcta tatgcatctg cctccatgaa tgcaactctc acaccttaat caagtttgct 300  
 gattacaacg atcactatat ggtttgaaac atgctacacg acagcgggat catcgcttgt 360

cctcatttct tttactcatg ggtcactcaa gcttaactga tca

403

<210> 11760  
<211> 345  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11760

ctcagcttct gtttcaatgt cgagcttcac gatatactac gggtcacatt ctgacnttcg 60  
agtnaaaagt tattgtcatt atagatttct cggagcttcc gtntcaatt acgagcggct 120  
cgatatatta cgggactgaa tcagacatcc gaggaaaacg tntttgtcgt tagaatattc 180  
tcagagctgt tgttttcaat atcaagcgtc tcgttatatt acgggactta attgtacatc 240  
tgagttaaaa tttaatgggg tttgaatttg ctacgagctt ctgttttcag atacgagcgc 300  
ctcgatatac tacgggacac agtcggacat ccgagatata agcta 345

<210> 11761  
<211> 454  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11761

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gttgaatatt gacagcctca gtaactacta ccatatcctc atctgcaatc atgtaaagag 120  
atctttgctt ctttccacga gccacaacga gatagccttt tgttaccttc caagctccat 180  
ctccatctac aaaagtgggtg tgatgtccct catcatccaa ctgccttata gatattaaat 240  
ttctctttaa ggtgggaata tttctgacat tgtgcaatgt ccatanggat cactgaagg 300  
tcttgatggt gatatcacct cttccgacaa tgtcaaaaga ttatccatct gcaaggtaaa 360  
ctntcccana tcttctagac atatagttag acaataaatc tctagaggga gtagtggtga 420  
acgacgcacc tgatgtcatg atccatgaat caac 454

<210> 11762  
<211> 190  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11762

tccgacatcc gtgtganaag tatgagcatg agagtgtcta tgtatctcca tccanacaacg 60  
nccagcatct ctatatatta taagcctgaa tccgacattc gtgtgaaaag ctctgaccat 120  
ttgaatttct caagatgttc cgttgtccaa tttctagcct ctcaacatct tatacgcccc 180  
aatcgaacat 190

<210> 11763  
<211> 243  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11763

ctcagcgaga aaggccataa gaaacaatat ctntgcaatg tcttcttcgg agaggttgtg 60  
atgtatctcc atgtggagct tgtaggcctt ggatcttctt cattaatgga gtcctttgct 120  
tcttgaagat caatggaagt ggaatggaga atgaagaaaag atgattgacg tcgccacttg 180  
aaggagatga tgagtcaaga agaacctcac caccatagga agtcatggat aatagcttga 240  
tgg 243

<210> 11764  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11764

attgcatacc aatgatgttg ggaagttcca tataaaacttc ttcaaacaaa tctccattca 60  
naaaagcatt attaacatct aataggagaa ggcaccagtt tctagcagta gcaacacaga 120  
gcanaactct cacagtggta agcttgacaa ctagagaaaa agtataagag aaatcgattc 180  
cagcttggtg agtataccct ctggcaacca atcgagctnt gtatctatcc acagagccat 240  
ccattttata tttaactgta tacaccctac tacaacctat acaatgctta tcaagtggta 300  
agggacaag tcttcaggtg gaatttggtg gacaagtggc ctcaatatct taagggggagg 360  
ggggatgaat taagtcttac aaaattgcac tcagaacctc attaaatctc aagt 414

<210> 11765  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11765

tctcggttcac gtgtctccac cttctagttt ggagctatgc gtagtgattg cttagtgcac 60  
 tctccattc tcnacacctt tcggagcccc atgaattgcg ttttcgttca tgtgtccctc 120  
 accctcgagt tcggagctat gcgtagtgat tgcttagtgc aattctccat tctcaaaactt 180  
 ttttgagacc ccatgaatta tgttttcgtt catgtgtcct ccaccttcga gtttgagact 240  
 atgcgtagtg attgcttagg gcaattctcc attctcaacc ttttacggag cccatgaatt 300  
 gcggtttcgt tcatg 315

<210> 11766  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11766

agacatacaa atgacgggta atgatgcac taacacataa ttcaatttat cgtttacaca 60  
 tgaagtcttt caccactata acatttcatt tactccatct ttaacatgac tagtagaaaa 120  
 tcattccacg tgtctatggg tcaggcaag caccagtgc cacaatcatt ataaagtgtg 180  
 actttctcat gtggccaatg caccatatct actcgggtga ccactcgggc ttaataacat 240  
 tgcttggtga gtgtcacaca acctagattc caaaccttc gttctacctt acttctttgc 300  
 aatgtctaac tcttccaaact ggatcatata taanctccaa atactactct ctaaacgtat 360  
 gtcactgggc ttaa 374

<210> 11767  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<400> 11767

ttcaatgcag aaaccatttt tgatatagag attaaattga aattaaaaga tggcaagtat 60  
 agcagctctt ctaagtgtag aaactcagta aagttgactg ttctagagtg tgtggctatg 120

acttggtgac cagtaggctg gcgaactact atgggattta tttctctgta tgtagaataa 180  
 caagtcaatg aggatgcaac atgatctgta gcaccagagt ccaagatcca tgttacagct 240  
 tcagacttgt gaatattaca aacaaaggat agtatattac ctatggccga tgtat 295

<210> 11768  
 <211> 339  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11768

cctgatgcct ganatgtctn ttctgatgtg ctttggccta gatgcangga agtattttctc 60  
 cattaacacc ctcttaaggt catcccagct gaaaacggac ctgtgagcaa ggtagtatag 120  
 ccaatctttt gtcactccct ccagagaatg aggaaaagcc tctataaaga tatgatcttc 180  
 ttggacatca cgggggttca tgggtggaaca aaaaatatgg aactccttaa gatgcttatg 240  
 aggatcttca cctgcaagac catgaaactt tggcagcaaa tgtattagtc cagtcttgag 300  
 aacatatgaa acaccctcat catgatattg aatgcacaa 339

<210> 11769  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11769

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 gccttgagct catagaaggg aggagcatgg aaacacggct ccattgacat ggcacgtcga 120  
 cagggaggat ctgngctgc tcgattctca ggtttgtaca gaatccacgg ttttaaacct 180  
 ccaagcccct gagccacata cctcaaagta gaccatgagc tagtaaccaa cacatcagtt 240  
 aagcttaaga gatata 256

<210> 11770  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 11770

tacaagtgag cttgtaacat atcttctact cttggagtga tcacctgtag tctctngaa 60

cccttaccac ccactctatc atcatgccga gactcangaa gcccaatagg tttagccttc 120

tctaagtatt ctaaacaataa ttcaatggct tcttctgcaa tgtacctctc aacaatagat 180

gcttctggac gatatagatt ctttgtatc ccttttaaga tcttcatgta ttgctcaacc 240

gggtacatcc accgtagata aacaggaacc acaacattga tttctctgac cagatgcaca 300

atcaagtga tcatgatgtc aaagaaagca gggggaaaat acatctccaa ctggcacagt 360

ataattgagg cctcatttcc aactcataaa cattactgga tcaatgactt gctacatatg 420

catggagaaa aacacaggcg agtatcgtaa tctg 454

<210> 11771

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11771

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aacaaagtcg ggtagccat aactcgctg tgctttgtct tccatgccat atgtagcaaa 120

gtcgttgatc ctattcatgt tgatgagctg gaaaatgagg ctgcaattat actgtgccag 180

ttggagatgt attttccct accttctttg acatcatgaa tcacttgatt atgcatctcg 240

tcagagaaat cannatgtat ggccctgttt attgcagtgg atgtaccag ttgagcgata 300

catga 305

<210> 11772

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11772

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tataatntac aatgtcatca taccaaggaa aagaaaaaca atngctaaca actattccta 120

taaaagacaa catggcccag aaaactctc accaccttaa cattgttggg gggatgaaac 180

tattcaatcc ctnttcattt tggcggngtc aaccactatg cctttagagg acattntatg 240  
 tccaagcaca atgtctctcac gcaccatgaa tnggcatttc tccacattaa gaaccagtct 300  
 agtctcctta caccctttca agacaacatt ntaaattttc atataggcat caaaggatng 360  
 gaagttatct catgaggagt act 383

<210> 11773  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11773

cgagctctca aactanatgg tcattcttat acacagacgt ccgagtttgc tcataatata 60  
 tcgagacgct cgaaattgaa caacgtgtgg tgtctacaaa ctcaaattgg cataacttgt 120  
 cacacggaag tccgattcag gcgcataaca tatcgagacg ctctaaattg aacatcggaa 180  
 gctctcgaga aataccaatg gtcataacgt ttcacacgga agtccgattc gagcgcatta 240  
 tatatcgaga cgctcgaaat tgaacaacgg aagctctcta gatactcata tggtcataac 300  
 ttatcacacg gacgtccgag ttaggcgcat aatata 336

<210> 11774  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11774

tacctcatgc tctctcttaa tgactatggc atcatttctg gcgctaaact gctgggaagt 60  
 ggaggccatc ttctcaatta aatttctggc ttcagcanga gtcattgtctc caagggtcc 120  
 accactggca gcatctatta tacttctctc catattactg agtccttcat aaaaatattg 180  
 gagaagaagc tgctctgaaa tctgatggtg ggggcaactg gcacatagtt tcttaaactc 240  
 ctcccagtac tcatacaggc tctctccact gagttgtcta atacctgaga tatecttctc 300  
 gatggctgtg gtcttggaag cagggaata ttntetaaga atactctctt aaggctatcc 360  
 cagctcatga tgga 374

<210> 11775



<211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11775

tatatcgagt cgctcgaaat agaatacaga agctgtgaga aaattctaac gtcaatacac 60  
 ttttactcgg atgtccgatt gagtcacgta atatatcgag acgcccgaga ttcaatacag 120  
 aaactctgag caatatctaa cgacaataat attttacttg gatgtccaat tgagtcgcgt 180  
 aatatttcga gacactcgaa attgagtaca gaagctctga ggaaattcaa atatatatac 240  
 ctcttgactc ggatattcga ttgagtcccg taatgtatcg agacattcga nattgaatac 300  
 agaagct 307

<210> 11776  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11776

taagctcctt caactgcaca aggtctttaa tatttgaaga gtattcttgt ggaaccttca 60  
 cccgacgaag aacttgcaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120  
 tgggcaagta aattntcttc ccatcagacc ttggatgcaa ctgtgatcgt ataccatcat 180  
 cagctagatc ttgacgggta ttcaagccat ccttcctctt gccttgaatg ttaaggagcg 240  
 tcccaatcac actgtcacia acanttttct ccacatgcat aacatcaata caatgtctaa 300  
 cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360  
 tctgaacttt atccttcttt ggggtcttcc caaatacaat attcaggtgt tgaaccgcgt 420  
 gatataccta ctcaccaatc aacggtatgg acgtaatatc at 462

<210> 11777  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 11777

agctttccat acaaaaaatg ttgttttcac atccatttgt tctaacacaa gatcaaattc 60

tgccaccata gccataagta ttttgattga cctgtgtttc actacaggag agtaaaacttc 120  
 attgaagtca attccctcct tttagattgaa tctctgagca acaagtctag ctttaaactc 130  
 actgggtccaa ctcttggat gccttctttc ttcttgaaga tccacttgca gctaaccact 240  
 ctagaaccaa gtttttttta atcaattccc atgtatgggt gtcattggaaa gacttaactc 300  
 cttcattcat ggcacttgat catttttctt tctcttact agctaagata ggcttaagag 360  
 tttttggatc ttcct 375

<210> 11778  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<400> 11778  
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 aacggaagct ctcgagaaat tcaaattgtc ataactttta actcggaggt ccgattcagg 120  
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaatgt 180  
 tcataacttt tcacacggag gtctgagtca ggcgcataat atatggacga ccttcataat 240  
 ttaccaacgg aagctctcga gaaataccaa tggtcatagc ttttactggt gatgtccgat 300

<210> 11779  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 11779  
 ttacacacat gccactctac tccatatttt taaaggatct gttgactagg acacacaagt 60  
 atattcacca ggaaaacatt gttgtggaag gaaattgtag cgctgtgatt caaaagatcc 120  
 ttccacccaa gcataaagac cctggggagtg taaccattcc ttgttcaatt ggagaagtca 180  
 ctgtgggaaa ggcacttatt gatttgggag ccagtattaa tttaattgcca ctctccatgt 240  
 gcagaagggt gtgagaggtg gagatcatgc ccaactaagat gactttacaa ctttgttacc 300  
 gctcaattac cagaccatat ggagaaattg aagatgtgct ggtaaaaaga aaacatttta 360  
 tcttcccgat agactttgtg gtaattggata tt 392

<210> 11780

<211> 381  
<212> DNA  
<213> Glycine max

<400> 11780

cgctcatctga gccagcggct cttggaatgt ctttggagga ggccccaatc taagacaagg 60  
tctcaatatg cggaaaaaat ggctgtaaat attgagaata tccagggccat cacttttcaat 120  
cccattcctt gatgaagagt ataagctgtc cttacgcaaa catctgcaat actgaggaaa 180  
tacctcaacc cgttatatcc ttgcatttta tctttcttct cgaacagtcg ccttatgcac 240  
taacaagaga aataagatta ttccgcagtc tcagtcattt actaatcaaa agcatgcata 300  
tttactttct taatcagggg catgtttgga taaacatgat cagaatttac catataagtg 360  
ctcttgatcc cacaaactta t 381

<210> 11781  
<211> 380  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11781

agctttgtaa tgtgttattt tattgtttga tggattggaa cattgatata aagttgtcca 60  
ctatcacttt agttaattgt agcacgaatg acaaaatcat tgacaaaatt aaatataagt 120  
tgcacttagg aagtttatta agggatgaga ctttacttca tatgtgttgt tgtgcacaca 180  
tattcaactt gattgtaaaa gatgggttga aatttgtgaa agatgggata gagaagatta 240  
gggatagtgat agcatttttg atagccacac caaaaaggaa ggaaaatttt aaggagacag 300  
tgaaacaatt aaggatcccg tgcactaaga cntnggtttt agattgtcca actaggtgga 360  
tctcaactta taaaatgctt 380

<210> 11782  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 11782

tggagaattt caaacgacaa taactttgtt atcggatgta ctcttgagtc ccgtaatata 60  
tcgagatgct ccaaattgaa aacggaagct cgtaacaaag tcaaacgaca agaactttat 120

acgcggatgt ccaattgagt cctgtgatat attgagacgc tccaaattga aaacgaaagt 180  
acgtagcaaa ttcaaagcag aataactgta tacacgctg tccgaatgag tacagtaata 240  
tatcgagacg ctacaagttg aaaacggaag ctctatttag actcaatgga cgataacttt 300  
ttactccaat gagcgat 317

<210> 11783  
<211> 374  
<212> DNA  
<213> Glycine max

<400> 11783  
agcttcaaca tcagacttct tccatggtgc tggaactact tcacatggac ttgatggggc 60  
ctatgcaagt tgaaagcctt ggaggaaaaga ggtatgccta tgttgttgat gatgatttct 120  
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180  
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240  
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcacacttc 300  
atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacatga 360  
ctttgcaaga agct 374

<210> 11784  
<211> 295  
<212> DNA  
<213> Glycine max

<400> 11784  
gtgagaaaat tcaaagcaca ataacttttt tctcgatgt ctgattgagt cccgtaatat 60  
atcgagacgc tcgaaattga atgccgaagc gctgagcaaa ttctaagcag aataactttt 120  
tactcggatg tctgattgag tcccgaata tatcgaaaag ctcgaaatgtg aatgttgaag 180  
ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgaat 240  
aratcgagat gctcgaaatg gaataccgaa ggtctgagca aattcaagcg acaat 295

<210> 11785  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 11785  
 agcttctaca ttcaatttct atcttttcga tatattacyg gactcaatcg gacatccgag 60  
 taaaaagtta ttgtagtttg aatttgctca aggcctccgt attccatttc gagcgtctcg 120  
 atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtt gaattttctc 180  
 aaagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240  
 agtaaaaagt tattgtagtt tcaatttgct caaggcttcg gtattccatt tcgagcgtct 300  
 cgatgtatta cgggactcaa tcacacattc gagtaaaaag ttattgtcgc ttgaa 355

<210> 11786  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11786

ttctccacta agttgcctga tgcttgaaat gtctcttctg atggcggnngg tectcgatgc 60  
 acggaagaat ttctccaaga acacctctt aaggctcatcc cagctgaaaa tggacctggg 120  
 agcaacgcag tataaccaat cttttgccac tccctccaga gaatgaggaa aagcctttat 180  
 aaagatatga tcttcttgga cataaggggg cttcatggcg gaacaaacaa tatggaactc 240  
 cttaagatgc tcatgaggat cttcacctac aagaccatga aacttgggca gcaaatgtat 300  
 tagtccagtc ttgagtacat atggaacacc ctcacatga tattgaatgt acaagc 356

<210> 11787  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11787

tggtacttta cccattttgc atgcctttgt ttttactagc ttaccttat aatgcactta 60  
 agtgattcat gatcactatg aatgacaaat tccttggaag caaggtaatg ttcccaagtt 120  
 tggagggctc ttattaaggc gtcaagtgtc ttatcatagg tggggtagat aaggagggca 180  
 ccatgaattt ttctactaaa ataagcaata aggtgccac cttgtaacaa tactgtctca 240  
 actcacactt tagaggcatc acattctagc tcagatgttt tagaatagtc atgaagagct 300

acaacaggtg ccttggtgag ctnttcttta agaaaacaaa gactcgctct tgtc 354

<210> 11788  
<211> 384  
<212> DNA  
<213> Glycine max

<400> 11788

agcttcatgc gtatgttttg tactattaag tcaatggcaa catcattatc tcctccactc 60  
gggatgataa tatcagcata ctttttagtt ggcaatacaa aatcttcaaa acttggtctt 120  
acaaatctgg aatactgaac aatcattttg tatttagtca aggaggactt taaacatttt 180  
taaacaaaaa caactttgaa taagttatat gctgaaaaga aaaagctaca agaatcaata 240  
aaaaaatgtt caactagggg atgttttagta caataaaagt tatttttcat gtgtaaaaat 300  
gatgatctct aattaataat atatttattt tgttcggcat ttatataagt tccttttcaa 360  
ggtgtaacgt ggtattttta tcac 384

<210> 11789  
<211> 374  
<212> DNA  
<213> Glycine max

<400> 11789

atccatgcaa gacaggagat ttttgctta tatctgtcca tgacccaacc aaacaaaaaa 60  
taacagacta aacttctcta tggatctatg ccacagacca acaaataacc tccttgaact 120  
aacatccata taggacacaa actgctcact ccaaacactc atgatcttat cccagcagt 180  
caacattgag caagcttaag cagtgatcaa acttgctctt tagaactggc tttgtgaaca 240  
tatcaacagg attgtgcaca gtgctgatct tatgaacttc gagtcttctt tctgaccgaa 300  
tgaagtgata tctaacatct atatgcttgg ttctatcatg atgaacctga tccttgccca 360  
agcatatagc acta 374

<210> 11790  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 11790

agcttcttag tttcaattgt tgaagatgaa ttcgtggcta ettcgatgcac tctctaatg 60  
acaatagcgt catttctggc actaaaattgc tgggagttgg aaatcatctt ctcaattaaa 120  
ttcttggtt tgcgaggggt catgtctcca agggctccac cattggttgc attaatacata 180  
cttctctcca tgttactcag tcttccataa aaatattgga gaagaagttg ctcataaatc 240  
tggtgatgaa ggcagctagc gcataatttt ttgaatcttt cccagttatc atataggctt 300  
tctccactga gttgcttgat gcttgaataa tctttctga tggcagtggt cctacaagca 360  
aggaaaaatt tctct 375

<210> 11791  
<211> 352  
<212> DNA  
<213> Glycine max

<400> 11791  
agctttagg gttaaagtct cactattgtc acgtgttgat tcaacaattg ttagtcgtgg 60  
ctatacgaga catcttgcca aacaaagtca ggtagccat aactcgcatg tgctttttct 120  
tccatgccat atgtagcaaa gttgttgatc cagtcaagtt tgatgaactt gaaaatgagg 180  
ccgcaattat actgagccag ttggagatgt attttctccc tgctttcttt gacatcatga 240  
ttcacttgat tgtgcatcta gtcaaagaaa tcaaatgttg tggctctggg tatttgcggt 300  
ggacgtacct ggttgagcga cacatgaaaa tcttaaakat gtgtacaaag aa 352

<210> 11792  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 11792  
agcttcaatg gctcaatgag catggtgaaa atgatagtct atcaacacgt aaaaatactc 60  
ttttctatag gagaatacta tgatgaaagt ttatgtaata taaatcccta tggaagcagg 120  
gcacattttg ttgggtagac catgacaact tgacaagaaa gcaatccaca tggggctcac 180  
caatgaaata gccctacccc atggaagcaa aacattctaa cttgctccct tgacaccttc 240  
acaagtggtt agggatcaac tacaataaaa actcacatgg gatgagg 287

<210> 11793  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<400> 11793

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 tattgagacg ctcgaaattg aattctgaac cttagagcta attcaaacga caataacttt 120  
 ttactcggat gtctgattga gtcccgtaat ctattgagac gctcgaaatt gaattctgaa 180  
 ccttagagct aattcaaacg acaataactt ttactcggga tgtctgattg agtcccgtaa 240  
 tacatcgaga cgctcgaaat tgaatgttga agctctcagc aaattcaaat gacaataact 300  
 ttttactcgg atgtc 315

<210> 11794  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11794

agcttcaaca atcaatttcg agcgctcga tattttacgg gactcaatca gacatccgag 60  
 taaaatgtta ttgtcgtttg aatttgctca gtgcttcaac attcaatttc gagcgtctcg 120  
 atatattacg ggtctcaatc agacatccga gtaagaagtt atcgtcgttt gaatttggtc 180  
 agagcttcaa cattcaattt atagcgtctc gatatattac aagactcaat cagacattct 240  
 antaaaaagg tattgtgggt tgaatttgct taaagcttca acattcaatt tcgagcgtct 300  
 cgatatatta cgggactcaa tcacacattc gagtaaaaag atattgtcct ttgaatttac 360  
 t 361

<210> 11795  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11795

agctttttaa atatactact tcttagtaaa aaacatgtgt ttttggtaat tatattttta 60  
 atgtctgaaa ttatattatc ttttacttaa agattaaata ttgactaaa aaaaaattaa 120



tagcgtggta ttaaaagata tcttattaca ataaataatt taataatgat ggaggcaagg 180  
aagaatttgt taaattattg atggtaaaat aaataaataa actaaacgct actttatttt 240  
accaaacact ntgattttta ttaattttat tagttaagta aattataaat taggtgaaat 300  
aatccgtccg gcacattata agatataagg aatttgaatt ttacgtttta tggtgattaa 360  
atattacgtt gaatgcctgc aaaatgacta gt 392

<210> 11796  
<211> 314  
<212> DNA  
<213> Glycine max

<400> 11796  
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ccagcatagc cctttaccct ctgatccaag aagtgggggc agatcaatta gagaaggctt 120  
cttgagattt gacagcttgg cattttacat ctgtattctg tatttttata accccttaac 180  
ttccaggcat gattctgggtg aatttgcaa gctgtttct actaaaggaa tatgtattga 240  
tgatatacat ctaagttcag atgacttaga aatgtccatt gatcttgctc catttttgaa 300  
tcctcacca tata 314

<210> 11797  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11797

agctttggaa ccaaattagg gaaagaaaat gacctcactg tatttgaata tacttatttt 60  
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gaacctgct cctgtcagga ttgcttcaac aaacctattc atgaagacac tgttcttcaa 180  
actcgcaagc agattgaate tcgtaacct cttgcatttg ctctctaaagt catcagaaat 240  
tctgattctg tacttgaaat tgggggttaga aaataaactc gacttagttt tccccctaag 300  
caattgaaac atcttttata ggtattaatt attatctttt tgtaggatga cccanataaa 360  
actccagctt cagcagaca c 381

<210> 11798  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<400> 11798

ttctgatcca aagagcttga ttacagcat tgttcagca acatattctg cttctgctgt 60  
 gggttgagct attacttctt gttttgtga ataccatgag aaaattccag aaccaaagct 120  
 aaaaagataa cctgaagtac ttctcatatc atcagcacat tcagcccaat cactatcaga 180  
 ataaccatga aggctggagt ttttaacata atgggtatctt attccaaaat caattgtgcc 240  
 tttaacatat ctaagaattc tttctgctgc ctgaaaatga attctactag cacagttcat 300  
 gtgccttgat aacaagctta ctgcatgc 328

<210> 11799  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<400> 11799

tgagcacctt ttttcacacc tctttctttg ttgatgggtt gaggcttctc tagggctgtc 60  
 taactgttct gtaatcttcc tccatcatta tcttgtgcat atagtaggca gggatgattc 120  
 ctttgaaatc tgatattgtc cacccaattg cctccccgtg tctcttaagg acctctacca 180  
 gcgtgttctc ttcctctgct gttaggtcac tgctgatcac cataggcttg gtctcattct 240  
 cctccaataa cacatacttt agatggttgg gtaagatctt tatctccacc ttggtcttct 300  
 cgaatggacc tccgctttca attcttcaa actggtcccc c 341

<210> 11800  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<400> 11800

agctttgatc acattttcca ttccagaaa acttctcatt cttgtgagtc aatttactta 60  
 ggggcagtc caatttataa aatccctcaa tgaattttct atagtagcca gccaaacca 120  
 agaaacttcg aacttctgtc ggaggtgtcg gatattgcca ctccataacc gactccactt 180

taatcggatc caccgctcc ccatctttag aaatgacatg tcccaagaac tgggctttct 240  
 ccaaccaaga ttcacattcc gacgatgtgg cgaacaattt gctatccgtg agaatatgca 300  
 agacaattct caagtgttc tcatgtctct ccttattcct tgaatacact aggata 356

<210> 11801  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<400> 11801  
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 agtcgttgga ggaccttttg agggcgtgtg tcttatagca aaaggggggt tgggagagtt 120  
 ttcttccgtt gatagagttc acttataaca atagttttca ctctatgttg gcatggctcc 180  
 ctatgaagct ttgtatggta gaagggtgcag gacaccctta tgttggctag agcctggaga 240  
 agaccttacc ttatgacccg aagtgggtaca acaaaccacc gagaagctca agttgatcca 300  
 agaaaggatg aggactgggt agagtaagca gaaaaattat 340

<210> 11802  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<400> 11802  
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 gggagagaag agcacgaaat tttgtgtctt aaatgagctt tgaaatctga agtttaatat 120  
 tcagatgac aaagttaaaa aaaatgcaca cacataacct ctatttatag cctaagtgtc 180  
 acacaaaatt ggaggggaaat ttgaatttca attcacattt cacttgaatt tgaaagtga 240  
 tttagcgagc caaacttttg agccaaaatt tcactaatta tgattagtga attttagtta 300  
 tggttcagcc cactaatccc agatc 325

<210> 11803  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<400> 11803

cgacactata caaacgcaag ctttggaca accaccatt agtgcttctt attcctgagc 60  
 actatgaagg cctgcaagta atcatacaaa tcaacctaca accacaaaaa gctgtcaatc 120  
 caaagcaacc cccctggcct caaaactcta tcccaatcat acaaaataaa ctcaaggagc 180  
 acaagatcaa tccaccate aagaaacctt gttgtgtgaa tcaaatctag ggtgtgtgca 240  
 aaaaatggaa gcctttggtt tatagtcaag tagagaggaa caagtccctc tagagcaatc 300  
 atttcattgg aggggtgctc aaaaatgata ttggctgaaa ctatactcac attgaattcc 360  
 c 361

<210> 11804  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11804

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 cgtttcactt cgttggctga ctgagtcctg caatatatcg cgacgctcga aattgaatat 120  
 cgaagctctg agcaaattca aacgacaata attctttact cggatttctg atttagtctt 180  
 gtaatatatc gagtttctcg aaatcgata ccgaagctct gagcaaatc aaacgacaat 240  
 aactttttac tcggatgtcc gattgagtac cnttatata 279

<210> 11805  
 <211> 393  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11805

tatctagacc tggagacaag ttatgaacat tacttgtgca tccaaaaata cgtggatcaa 60  
 catgaaacaa tggttcttta ggaaataaaa tggaatatgg tattttatatt ttaatagagg 120  
 aagaaggcat ccgattaate aaaaaatata ctgtcaaaac tgcacaccc caatgtcgga 180  
 caagtacatt ggcatggagt aataatgtcc gatgagtctc agcaagatgc atatttttgc 240  
 ttctcgcatg tcatntgtt gacgagtatg aggacaagag gattggtgga taatgcctta 300  
 cgctgacaaa aaggaagaaa tcacatgaga aaagtatttt ttcacattat cactcctaag 360

gatcttaatt gtcttactta actgagtttt aat

393

<210> 11806  
<211> 356  
<212> DNA  
<213> Glycine max

<400> 11806

tgtagggtta aagtctcacg attgtttcgt tctcatgcaa caattgttag gtgtggetat 60  
acgagacgtc ttgccaaaca aagtcagggt aacgataact cgcctatgct ttttcttcca 120  
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccgc 180  
aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240  
cttgattgtg catctgatca gagaaatcaa atgtgtggt cctgtttatc tacggcggat 300  
gtacctggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatc 356

<210> 11807  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 11807

agcttttagag accatttctt atttccacca taaacaaaa gattaagaga gatatatata 60  
ctattatttg gtaaatctag cttctctatt tctccacatt ggaatgcaatg tactacttct 120  
cacttgtaat catctaactt aattagtcta gatagttata aatgtagagt atgtaataaa 180  
gcaaaaataag acactacaca aaaaatgtaa atctacttac tcttactaga aatttgtttt 240  
tgaaatcatc taataaaaaa agctatatat atagcttggt atttaatgaa tatatgatat 300  
aaatatgtga aaatacaatt ataattattt tgagatatct tatctgcccc aatgattaaa 360  
caattaactc ttatgaaaa 379

<210> 11808  
<211> 365  
<212> DNA  
<213> Glycine max

<400> 11808

tatgctgcag acatatata tagaccttct ttatttagta gcaaaatcag ccacaacaaa 60

acaattatgt cctctccagc aacaggtacg atcccgggtt gaggaatcat cccaacctta 120  
 gatgggtcaaa tacttcacaa cagcagcgac aacaacaaca acagccttat ttccagaatg 180  
 ttgctagccc aagcagacca tacgttcttc caccaatcca gcgacaacaa caacagccac 240  
 agccccagaa acagcaaata gttgacgtc ctccgcaacc ttcccttgaa gaacttgta 300  
 ggcaaatgac tatgccaaac atgcagtttc aacaagagac caaacctcg atttagagct 360  
 taact 365

<210> 11809  
 <211> 379  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 11809

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 accttctct ctaaatcacc attaagaaaa gctggtttca catccatttg ttgcaactca 120  
 aggtcaaaat gagcaactaa tgccaagatt atatgaagag aatctttctt agatactgga 180  
 gaaaaagtct ctttgaatc tattctcttc ttttgagtaa atcccttctc aacaagtctt 240  
 gccttgatc tctcaatgtt gctaatgaa tcttttttgg tcttaaagac ccatntacat 300  
 ccaatagcct tcgccccatt aggcaactct acaaggttcc aactttgtta ccttgcattg 360  
 aactcatctc atccttcat 379

<210> 11810  
 <211> 348  
 <212> DNA  
 <213> Glycine max  
 <400> 11810

tggcaagagc tccagcagct agggaaattga tgtttgtgca tggttcagcc ttaggcgagt 60  
 gccaacgttt atcgttgaac ttgtcgttga agtcaagtcc acccaaaatg gcaccagtga 120  
 gttcatgggg gttaggtgca tctttttgaa accatttgga gaagctcgtg gcgcatacca 180  
 cctcttcac ctttttcagt ttggcaccg aaacacctct atggtgagcc tgcgttggtg 240  
 ggttctttcc aaatccaacc atgtaagatc ttctatcagg gtttttcct agtatgtaat 300  
 ccactgtgc aaattgcaat ttctccacc aattaatcaa taagtcta 348

<210> 11811  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<400> 11811

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 ttaaggctgg ttgcaggagc tgtggcatcc ttccaccac catattttga cacaaattca 120  
 tctttgacac gctctaaaaa agccatgggt aactgggttt caattgattc atctgcaaca 180  
 acacaatatg cttgataatg gcagaaggtc gaaatttcat aacactacca aactcaaaaa 240  
 aaatatacgg ttcacctcta caaaagcagt atcagcagat aaaattataa cttaaaagaa 300  
 aaccaatgaa tacttagtta tcaagcttaa atagcagcac ttgctgcaa gcaccataaa 360  
 agctatagca agatgatgaa tagtggaatg accaccattc tgaagattct agatacaa 418

<210> 11812  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<400> 11812

agcttttgaa ttatcaatat tcaaacttgc ttctacacc ataattcttg cacctaattg 60  
 gaaatatggg tttagctca tatgttacgc aagtgattat gtagttggg ttgtcttggg 120  
 acaaaaaaaaa gaagacaaaa ttttcatgc tatacattat gctagtaaag tccttaatga 180  
 gcatcaatg aattatgcaa caaccaaaaa tgaattacta gctataatct atgcattgga 240  
 aaaattttaga tcttatctca ttgctctaa agtggttgtt tatacagatt atgcaactat 300  
 taagtatctc ctatctaagc ccgattccaa accaaggcct attaggtgga tacttatgtt 360  
 gtaagaattt gatcttgaaa t 381

<210> 11813  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 11813

agcttgccca agcaattttg gtcagaggca attaatattg catgttattt ggtgaacata 60

tctccttcta caactattaa ttgcaagaca ctagaggaaa tgtggtcagg ctctaaaata 120  
aattattcaa ttctgtgtgt atttgggtgt ctagcttata ctcatgttaa taaaggaaaa 180  
tcggagccaa gagccaagaa atgcacattt ttgggttata aagatgggtgt aaaagggtag 240  
aggctatagg accctaagga atcaaagctc ttgatttgta gagatgtgat cttttagtag 300  
acaatcatac ttaatccaag accacatgag gaccataata ataaatttga aggtcatggt 360  
gttcgcaaaa aggtggagca 380

<210> 11814  
<211> 364  
<212> DNA  
<213> Glycine max

<400> 11814  
tagcttcaac cattgtgtta tggaccattt caagtgctag aaagaatcaa tgacaatgct 60  
tacatatagc agctgcccgg ggagtatact gtaagatcca ccttcaatgt ctatgattta 120  
tctctttatg atgcagatgg agaattccgat ttgaggacct atccttctca agagggagag 180  
aatgatgagg acatgttcaa gagcacgggc aaggatccac tatgaggact tggaggacct 240  
atgacaaggg ctagagcaag gaaagcccat gaatctctta aacgagtgtc gtccatacta 300  
tttgaataca agccaagat tcaaggagaa cagtccaatg ttgtgagtag tatcatggcc 360  
caaa 384

<210> 11815  
<211> 384  
<212> DNA  
<213> Glycine max

<400> 11815  
tagcttatac aacgtgctat tatcttttgg aaataaagga atacaatatt atttaactgt 60  
ttcttgtttt aaaaaattgt tatcattaat aattagagga tatcaataaa tgatctttgt 120  
attaattaag taaatacccc ttcagtctat gcattgggta aggctgtgtc acagggtaat 180  
aaatactatt taatttatac aaaagtgtt taactatcct taattattta ttacttcttt 240  
ctgactttta tataagacac ttgagaata attacacaaa ccaataaata gttaatttta 300  
tgattttttt aaatgttata aatatacca ttttacctta ttactaatca ttaacttgtc 360



aagtattatg tatccctatc aata

384

<210> 11816  
<211> 383  
<212> DNA  
<213> Glycine max

<400> 11816

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gtaccatgag aggacaaagc acatagatgt gaaactacac ttcacagag atgtgattga 120  
atctgagaag gtgaagggtg agaaagtttc aacagaagaa aaccggctg atagtgtcac 180  
aaagtccctc tctagtgtca agttcaagca ctgcttgac ttgatcaatt tcgaagatgc 240  
ctaaagcaga ttggtagaag tgcagccctg aatcacaagg tagacacttg ctgatttgga 300  
gtcaagggtg agatttttgg tgtgtgactc aaaatcaca atggcacaag tgagaaggct 360  
ttaaagtggt gttgtcataa ctg 383

<210> 11817  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11817

tcttagtttc agatgatgca gatgggtttg tagctacctc atgcactcct ctaatgacta 60  
tggcatcatt tttggcacta aactgctggg agttggaggc catcttctca attaaatttc 120  
tggcttcagc aggagtcagc tctccaaggg ctccaccact ggcagcatct atcactcttc 180  
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240  
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggtctcttc 300  
cactgagttg tctaatacct gagatatcct tcttgatggc tgtggtcctg gaaacangga 360  
aanatttttc taagaatact ctcttaagtc at 392

<210> 11818  
<211> 172  
<212> DNA  
<213> Glycine max

<400> 11818  
 tctcgattgc ctaagcgtgg accctctatg ttcattcttc cattcaccac ttttttggga 60  
 gccccacgta tgtgggcgcc tatcgcggtt caagcatctt gcgacgttca catccgatgc 120  
 cgacaaatgt gaacgcctag ctatacctg caatgatgca tgtccccaact tt 172

<210> 11819  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<400> 11819  
 catgcaagct tattgttgtt tctctcccca ttgaaacca acatttttct tgagcacttc 60  
 attgagaggt gctgccaatg cgctaaaatc cttcacaat cgtctataaa aacttgctaa 120  
 gccatgaaaa ctctctacct cggtcacaga cttagggtga ggccattttt gaatagccct 180  
 aaccttctcc tgatcaactt gcaactcttt tgaactcaca acaaaaccaa gaaacacaac 240  
 atggttagta caaaagatgc atttttcaag attggcatat aattgttctt ttctaagcac 300  
 agtcaagaca gatattaaat gatcaatatg ccaatcaagt gaagtgttat agataagaat 360  
 atcatcaaag tacaccacaa caaactt 387

<210> 11820  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11820

ntggagtttc caagtgccaa ttcttctctt tcttttagtcc agtcttcttc tggcttcaat 60  
 tcatcagtg gctttccttc tgtgtccagc atcttgggat gttcccagcc ttgatgaca 120  
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattattgc tttccagtat 180  
 tcatagttgc ttcatcaag aattggtggt ctgttcactg gtctctcttc tttctccatg 240  
 ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc 300  
 aattgaaatt ctgataccac gggacaaatg tcgtacacga tgtcacgaca tcacgcttag 360  
 aacatgcaga ttgtatgtg 379

<210> 11821  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<400> 11821

agcatgacct tctgacctg tgaggtgac ccttgccgag cccgtctaga gcgaaattga 60  
 cctctgcaac gtgtccatc atctctccga actcctgcgc ctccatcagc gtggacgtcg 120  
 ccggaatccc ctccgcgcgc gcccgcttcg tcctcttcga ctaccttget ccgcctgcgc 180  
 cgggtgccgtt tccgaagtcg ccgatctccg aatacaataa ggaccaatgc tgtgaggacc 240  
 agtcctgtga ggaaaacacg aagccgcata gagggctcct tttctcctg 289

<210> 11822  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11822

gatgatngga gacgacctt caatgagaag atgagtcaag aagaagctca ccatcatang 60  
 aagccatgga taacagcctg aatgcangag aagatgagtg gacagagagg gagagaacga 120  
 gcacgannat ttatgcctca natgatgtat aaactttgaa gtgtaattct taaatgatca 180  
 aagctgataa aatgcacaca catggnctct attatagcct aagtgtcaca caaattgagg 240  
 gaattgaatt ctttaaatta cttgattgtg ggccaatttg gatcacaatn tactaatatg 300  
 atagtattt agtatgtcac tctatcagac 330

<210> 11823  
 <211> 523  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11823

ttctaccctc taaccctnta gaacacttaa tgttgtctcn taatttgttt acaacaggac 60  
 caactacttt caaccctct tgaacaataa ggtgtaaaat ctgagcacia catcgatat 120  
 gagaaaattc accaccactt actaaaccat tattatgcac aagaagtctn tccttcaaat 180  
 agtcttgcat cttatcatta gaagaagcat tatccaaaat taatgaaaaa aaattccact 240

aaatcaccca ttcttaaaaa aaaaccatat ataatttttag ccatctcatg tctggagttt 300  
 ggagaaggaa aatgagaaaa attaagcatt ttactattca gcttccaatt tacatcaaca 360  
 taatgtgtag ttaatgaaaa acaagatgtc catccatcag atgtcaagtc tattctacta 420  
 gtgactctag acaacatgca tntcannttt ttcttntcaa aatcatacaa atcggtcata 480  
 tttaatggag caacacgccc agagggtacc ttaacatctg gat 523

<210> 11824  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11824

ctcggatgtc ngattcaagc gcataatata tcgagacgct cganattgaa caatggaagc 60  
 tctngagcaa ttccaatggt cataactttt aactcggatg tccgattcag gcgcataata 120  
 tctcgagacg ttcgaaattg aacaatggaa gctcttgagc aattcaaattg gtcataactt 180  
 ttcaactcga gggtccgatc aggcacataa tatatcgaga cgctcgaaat tgaacaatgg 240  
 aagctcttga gcaattcaaa tggtcataac ttttcaactg gaggtccgat tcaggcgcat 300  
 aatatatcga gacgctcgaa attgacaatg gaagctttta gc 342

<210> 11825  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11825

tcacacatac actcaacact gtgttctact cagctgtcta caatataata ctntaacaca 60  
 tgacacatac acaaggacat gaatcttcaa ttaaagagat atacaacaca tggcataacc 120  
 atgaaatag agaagggtgag gaataagggg tgaaacagta accaccgaat cagaagcata 180  
 aagtatatat acctttattg caaaaagatc accagttggt ctcttggttag ccaagaaaaac 240  
 ttttccatg gccccacgac tgataggggt tataatctca aagtcataa tagagggtgcg 300  
 atcccttgaa gaatggatgg ggctnngtct cangctgcga accacatcat cttccaagat 360  
 atcatcatca aca 373

<210> 11826  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11826

atgtttccta ccacagtcca acctttactc caggacttct catccatatt ntatcaatcc 60  
 caaggcttac cccacccgcc ttcaatccca taaccaccaa attcctcttt taccgaattc 120  
 caaaccaatg aatgtaaaat cataccgtta ccttcacatt caaaaggagg caatgacaaa 180  
 aatcatttcg gagatgttga atgaaagatt gatttgtcaa agtcacaatc ctttntcttc 240  
 cccagtgtcg ttgaattgct aaaaaagatg gaactnnggt gctttgtacg aattatagag 300  
 ctctcaatgc cattacaatc cgagatcaat ttcttattcc aacacttgat gaattatngg 360  
 ataagttac 369

<210> 11827  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11827

tcactctact ctaatatgat cagcttaatt tatatctcca aggtctttat gaactcattn 60  
 tctaatactg atcctacgat tagacgtata attaactaga aatactctta acaacatctc 120  
 tactaaaata acgtcatatt tctagtagaa aaattcttca aaacactggt gattgattca 180  
 aacatatttt aaagtttaag ctctaggctt atcaataaaa aatatgtatc tatagtctct 240  
 attaaacaaa aagatgatat atgttgagct aactctttan aagatacacc aaattgtcat 300  
 aaggaataaa gtcaaatgaa tatttgagtg tcgagttcac aagatctttt attatatnta 360  
 gatttgttaa cctaattcta agcattaata gagtgaagag atagaaattt atatgagaac 420  
 aaaaatggac tatacgacat gaaataacaa tatcgatg 458

<210> 11828  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations

<400>        11828

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atcttcaatg tacatgcgaa ggtgaaggat actetaatgt tcaatacttt tgttctctgc   60
caagtcttca acgagtncaa ctctagaagt atggagagac tcaatgtgtc tcaaggcatt  120
cacaaanacc acttatttct tcgaattgtg aggattactc tggttcttta agtattgatg  180
gtggaactcc taaagaagta tgctgataca gagagattga catgcgagca atggagaatc  240
tgtattgtca ttgcagctgc gtcttgccaa ttgcttgaat acaaagctcg tacctgtcag  300
attaacgtca tcaccaccac gttaagtggg aaattatggg cttaagatta acattgtata  360
atctacctct cacacgttaa gaatataatt caacct                               396
```

<210>        11829

<211>        330

<212>        DNA

<213>        Glycine max

<223>        unsure at all n locations

<400>        11829

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ctgcagctta ngagggtattg cataatcgct aaacgcttat tctaataacc gtctagaaaag   60
cgatttatat ggacttgtat taatatntaa ttattaattc ctactttttt cctttatgtt  120
ttatgccctt acatataaaa taataatata aataagaaat attggattga atattctatt  180
catgtttacan aatgacctta tagcatgttt acaaaaataca ataaatgcat gtataaatng  240
ctaanaatta tgaataagat cttctatcca tttctgtgga actagtaata taaatgggta  300
aanattatga aaaggaataa catataacct                               330
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<210>        11830

<211>        374

<212>        DNA

<213>        Glycine max

<400>        11830

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atatggagag ggtaatgaaa taacaagatg atgcgctcca tgagaggggtg gatcaaatgg   60
agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatcgt gttcctagac  120
aaaaccgaat tgatggtatt aaactcaaca ttctccatt taaaggaaag aatgatccgg  180
aggccctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac aactatgagg  240
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aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt gtgtggtgga 300  
 acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca tggacggaga 360  
 tgaaaaagat catg 374

<210> 11831  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11831

tcatctgcat atngctgaat gttactgtca ccttctgctn tctactaaa taactgttgt 60  
 acagaccttn ggatagagtt gtctcatca tgctagtcaa gcttgaagcc acaatattga 120  
 aaaggaaagg ggctaagggg tccccttgcc tcaaacctct agtgggggca aattcatttg 180  
 aggggctgcc atttatgaga atggatatag aagatgattg attgcaagca ttgatccatt 240  
 tctccatat aggacagaac cccatttgac catcatataa tccagaaagt tccatgaaac 300  
 agagtcataa gcctttgcna agtccacctt aaacacaaaa agctggttct tacttctttt 360  
 atcttctctt attgcttcat tgagaatcaa agttccatga aggatgtttc tctctttat 420  
 gaaaagtnt ngctctctcat caatgagtc agngcaataa tttcttaacc tatntngcca 480  
 gtaattagca atgatcttat acata 505

<210> 11832  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 11832

gccatgacca gaaccacatt tatgtgtgac atgaagatgt tgtaggtggc atcaccaatg 60  
 gatatgcagt catcaccagt ttgcaaggta caccattaa tggtaacccc agttgagcgt 120  
 tcaacatgaa tgccatcggt gttagggtc tggctgtgtg caataagcct cacaatttta 180  
 acaagaacat tgtngcaagc gttgatcaca atgtgacttt agctggctgt gatagaagtt 240  
 atgccactaa ccaccaagtt attcaccag ttgaatgtca ttgactgcaa tnnatagcat 300  
 gtattcagtc gtacataata ttcactggat aaacataata ttctagtctc agctaaaata 360

taaagtagag aattctntca acacattctt agtcagccaa cattatagaa cttacgatta 420  
ccacatatat acat 434

<210> 11833  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11833

catcttcaga ctgatcaaca cttgcacagt ggccaaagat gcatgggaga tcttgataat 60  
cactcatgaa ggaacctcca aagtgaagat ttccagattg caactcttgg ctacaaaatt 120  
cgaaaatctg aagatgaagg aggaagagtg tattcatgac ttccacatga acattcttga 180  
aattgccaat gcctgcactg ccttgtgaga gaggataaca gatgaaaagc tggtagagaaa 240  
gatcctcaga tctttgccta agagatttga catgaaagtc actgcaatag aggaggccca 300  
agacattcgc aacatgagag tagatgaact cattgggttct cttcanacct ttgagctang 360  
actctcgga a 371

<210> 11834  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 11834

actcgcagt ctggttgagt cccgtaatat atcaagacgc actcaattga atgttgaagc 60  
tgagagcaaa ttcaaagcgc aataactttt tactcggaag tctgattgag tcccgtaata 120  
tatcgagacg ctcgaaattg aatgttgaag gtctgagcaa attcaaagca caataactgt 180  
ttaccgggat gtctgattga gttccgtcat atatcgagac gtcacaaatt gaatgttgaa 240  
gctctgagcc aattcaaagc acaataactt ttactcgga tgtctgattg agtcccgtaa 300  
tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattcaaag gacaataact 360  
ttntacttcg atgtctgatt gagtcccgta atata 395

<210> 11835  
<211> 262